

CFD-560

SERVICE MANUAL

*US Model
Canadian Model
AEP Model
E Model
Australian Model*



Model Name Using Similar Mechanism	CD Section	CFD-10/10L
	Tape Section	CFS-W304
Optical Pick-up Block Type		KSM-2101BAN
Tape Transport Mechanism Type		MF-560-64

SPECIFICATIONS

CD player section

System	Compact disc digital audio system
Laser diode properties	Material: GaAlAs Wave length: 780 nm Emission duration: Continuous Laser output: Less than 44.6 μ W (This output is the value measured at a distance of about 200 mm from the objective lens surface on the optical pick-up block.)
Spindle speed	200 r/min (rpm) to 500 r/min (rpm) (CLV)
Error correction	Sony Refined Super Strategy Cross Interleave Reed Solomon Code
Number of channels	2
Frequency response	20–20,000 Hz $\pm$ 1 dB
Wow and flutter	Below measurable limit

Radio section

Frequency range	FM: 87.5–108 MHz (Italian model) FM: 87.6–107 MHz (Other models) AM: 526.5–1606.5 kHz (Italian model) AM: 531–1602 kHz (Other models)
IF	FM: 10.7 MHz AM: 455 kHz
Aerial	FM: Telescopic aerial AM: Built-in ferrite bar aerial

Cassette-corder section

Recording system	4-track 2-channel stereo
Frequency response	TYPE I (normal) cassette: 40–10,000 Hz

General

Speaker	Woofer: 10 cm dia., 3.2 ohms cone type Tweeter: 2 cm
Inputs	Mixing microphone input jack (minijack): Sensitivity 2.45 mV For low impedance microphone
Outputs	Headphones jack (stereo minijack): For 8–32 ohms impedance headphones
Maximum power output	4.3 W + 4.3 W

—Continued next page—

CD RADIO CASSETTE-CORDER
SONY®



使用時は添付資料も参照のこと
Refer to the additional documents.

Power requirements	220–230 V AC, 50 Hz DC 12 V; 8 R20 (size D) batteries		
Power consumption	AC 27 W		
Battery life	For CD radio cassette-corder:		
	FM recording	Tape playback	CD playback
Sony SUM-1 (NS)	approx. 11 h	approx. 6 h	approx. 4 h
Sony Alkaline AM1	approx. 16 h	approx. 10 h	approx. 6 h

Dimensions Approx. 678 × 288.3 × 217 mm (w/h/d)
 incl. projecting parts

Mass 7.6 kg (incl. batteries)

Supplied accessories Mains lead (1)
 Remote commander (RMT-C560) (1)

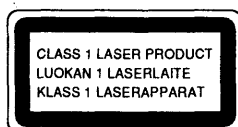
Design and specifications subject to change without notice.

Note

This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

Optional accessories

Sony DYNAMIC MICROPHONE series
Sony MDR stereo headphone series



This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the bottom exterior.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK OR DOTTED LINE WITH MARK ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

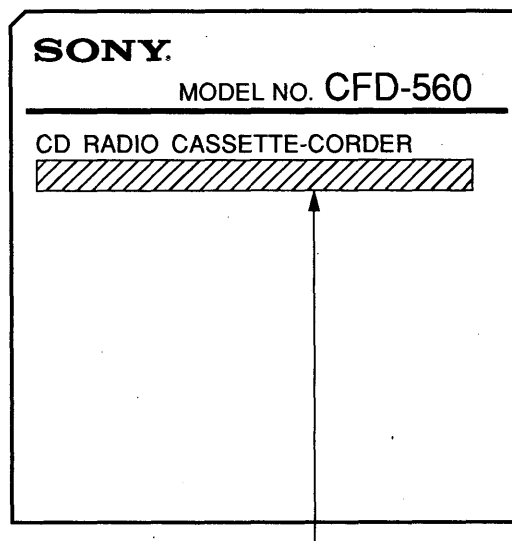
LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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MODEL IDENTIFICATION

US model: Carved on rear cabinet
Except US model: Model number label



US model: AC: 120 V 60 Hz 25 W
Canadian, E, Australian model: AC: 120 V 60 Hz 27 W
AEP, Italian model: AC: 220–230 V ~ 50 Hz 27 W

SAFETY CHECK-OUT

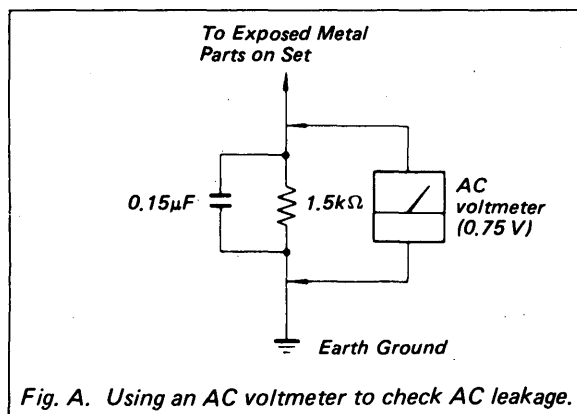
After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)



SERVICING NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.

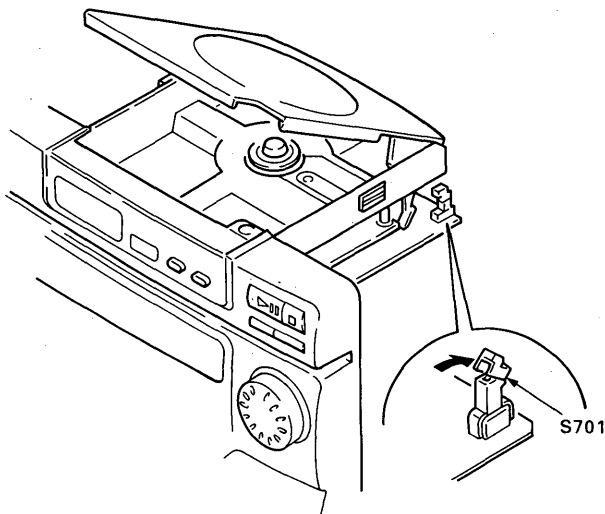
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe more than 25 cm away from the objective lens.

LASER DIODE AND FOCUS SEARCH OPERATION CHECK

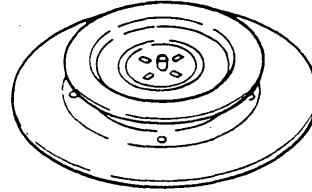
1. Turn POWER switch on with no disc inserted and make Function switch to CD position.
2. Open the lid for CD.
3. Turn on S801 as following figure.
4. Press ► key.
5. Confirm the laser diode emission while observing the objecting lens. When there is no emission, Auto Power Control circuit or Optical Pick-up is broken.
Objective lens moves up and down three times for the focus search.



CHUCK PLATE JIG ON REPAIRING

On repairing CD section, playing a disc without the CD lid, use Chuck Plate Jig.

- Code number of Chuck Plate Jig: X-4918-255-1

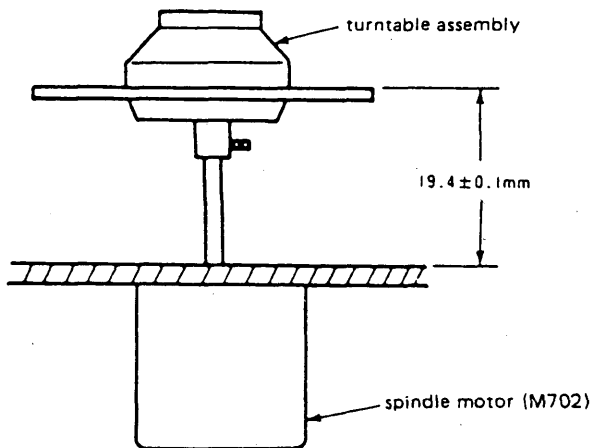


NOTE ON REPAIRING

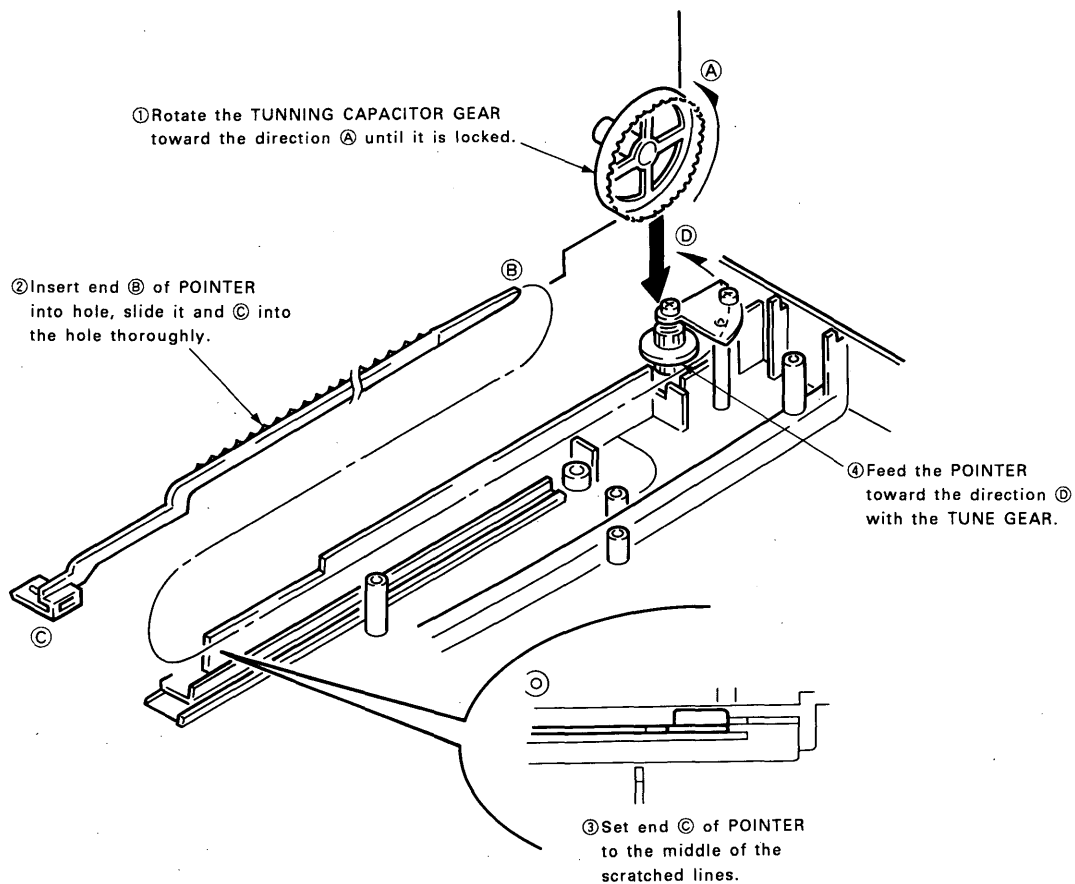
The spindle motor (M702) and the turntable assembly are individually supplied as repair parts.

When repairing M702, please order the turntable assembly together.

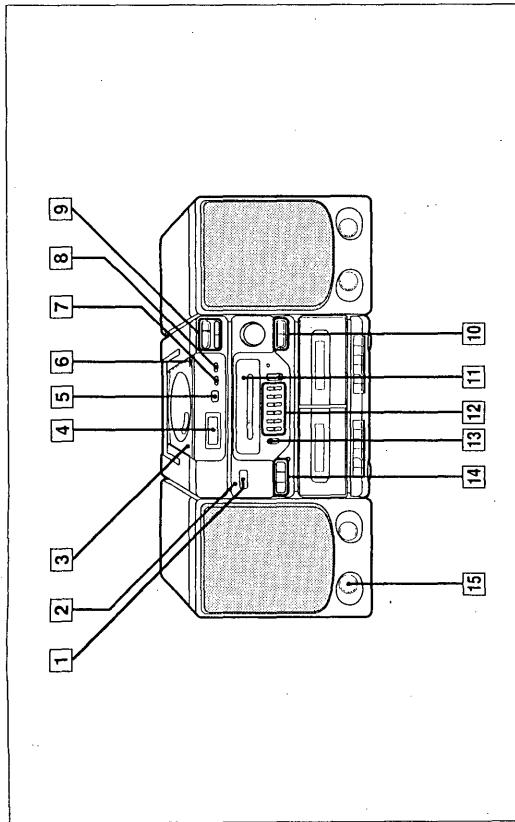
Dimension is as follows.



POINTER SETTING

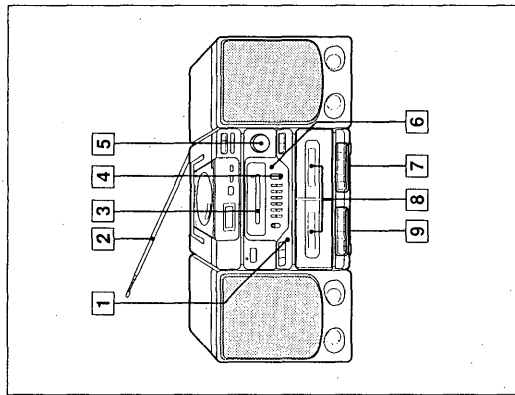


CD Player



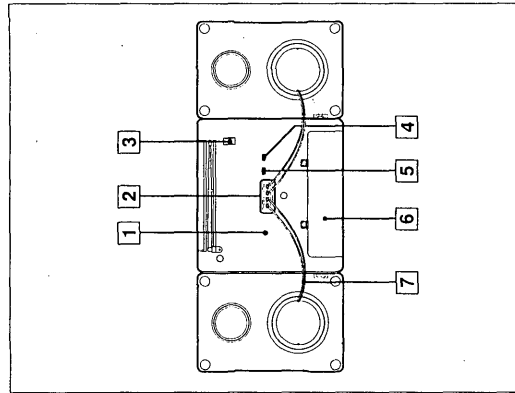
- 1 POWER switch
- 2 OPR/BATT (operation/battery) indicator
- 3 Disc compartment
- 4 Display window
- 5 Remote sensor
- 6 ▲ (open) button
- 7 PLAY MODE button
- 8 DISPLAY/ENTER button
- 9 CD operation buttons
 - ▷◁ (play/pause)
 - (stop)
 - ◀▶ AMS*/SEARCH
- 10 VOLUME buttons
- 11 POWER STANDBY indicator
- 12 MEGA BASS GRAPHIC EQUALIZER
- 13 PHONES (headphones) jack (stereo mini-jack)
- 14 FUNCTION buttons and indicators
 - TAPE: for playing or dubbing a tape
 - RADIO: for playing or recording a radio programme
 - CD: for playing or recording a CD
- 15 Duct
 - Reproduces bass sound.

Radio and Tape Player



- 1 DUBBING button and indicator
- 2 Telescopic antenna
- 3 Dial scale and pointer
- 4 BAND selector
- 5 TUNING control
- 6 FM ST (stereo) indicator
- 7 Tape operation buttons for deck B
- 8 Cassette compartments
- 9 Tape operation buttons for deck A

Rear Panel



- 1 MIX MIC (mixing microphone) jack (mini-jack)
- 2 SPEAKER OUTPUT terminals
- 3 AC IN (AC power input) socket
 - Connect to the mains.
- 4 FM MODE selector
- 5 ISS (interference suppress switch)
- 6 Battery compartment
- 7 Speaker wires

This section is extracted from instruction manual.

SECTION 2 MECHANICAL ADJUSTMENTS

PRECAUTION

- Clean the following parts with a denatured-alcohol-moistened swab :

record/playback head	pinch roller
erase head	rubber belts
capstan	idlers
- Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
- Do not use a magnetized screwdriver for the adjustments.
- After the adjustments, apply suitable locking compound to the parts adjusted.
- The adjustments should be performed with the rated power supply voltage unless otherwise noted.
- Power supply voltage : 12V dc.

Torque Measurement

Torque	Torque meter	Meter reading
Forward	CQ-102C	20-60g·cm (0.28-0.83 oz·inch)
Forward back tension	CQ-102C	2-6g·cm (0.028-0.083 oz·inch)
Reverse	CQ-102RC	20-60g·cm (0.28-0.83 oz·inch)
Reverse back tension	CQ-102RC	2-6g·cm (0.028-0.083 oz·inch)
Fast Forward	CQ-201B	more than 45g·cm (more than 0.63 oz·inch)
Rewind	CQ-201B	more than 45g·cm (more than 0.63 oz·inch)

Tape Tension Measurement

Mode	Meter	Meter Reading
Forward	CQ-403A	more than 70g (more than 2.47 oz)
Reverse	CQ-403R	

SECTION 3 ELECTICAL ADJUSTMENTS

4-1. TAPE RECORDER SECTION

Standard Input Level

	MIC IN
Source impedance	300 Ω
input level	2.451 mV (-50dB)

Standard Output Level

Output terminal	SP OUT	PHONES OUT
load impedance	3.2 Ω	32 Ω
output signal level	0.775V (0dB)	0.25V (-10dB)

Test Tape

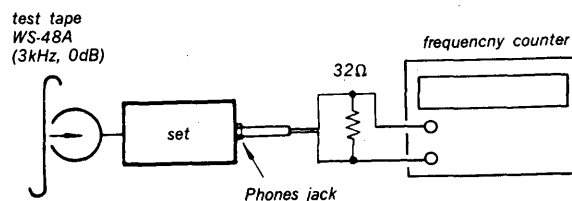
Type	Signal	Used for
WS-48A	3kHz, 0dB	tape speed adjustment

Tape Speed Adjustment DECK A DECK B

Procedure :

- Perform high speed adjustment before normal speed adjustment.

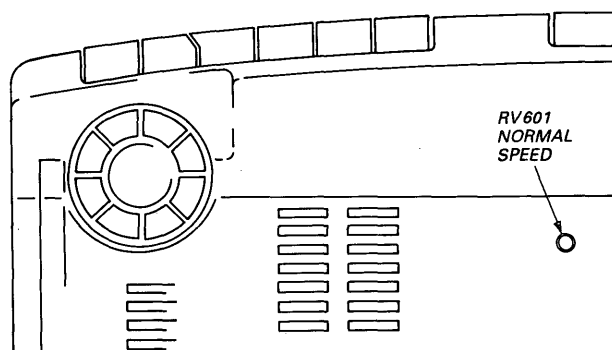
Mode : playback



Speed	S402 (CNP312)	Deck	Adjustment point	Frequency counter
Normal	OFF	A	RV601	2,990-3,010Hz
		B	confirm	

Frequency difference between the beginning and the end of the tape should be within $\pm 0.35\%$.

Adjustment Location :

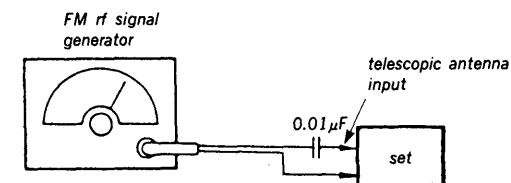


4-2. RADIO SECTION

• FM Section

Setting :

BAND switch : FM



22.5kHz frequency
deviation by 400Hz signal
output level : as low as possible

FM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L2	CT1-2
86.5MHz	109.5MHz

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L1	CT1-1
86.5MHz	109.5MHz

AM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
T1	CT1-4
516kHz	1,760kHz

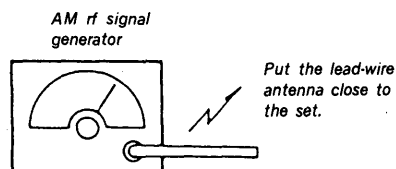
AM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L3	CT1-3
620kHz	1,400kHz

AM IF ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
CP1	
455kHz	

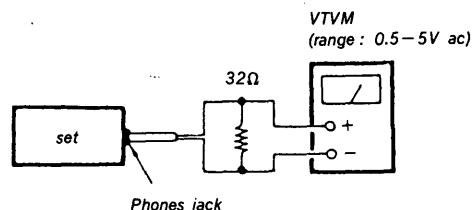
• AM Section

Setting :

BAND switch : AM

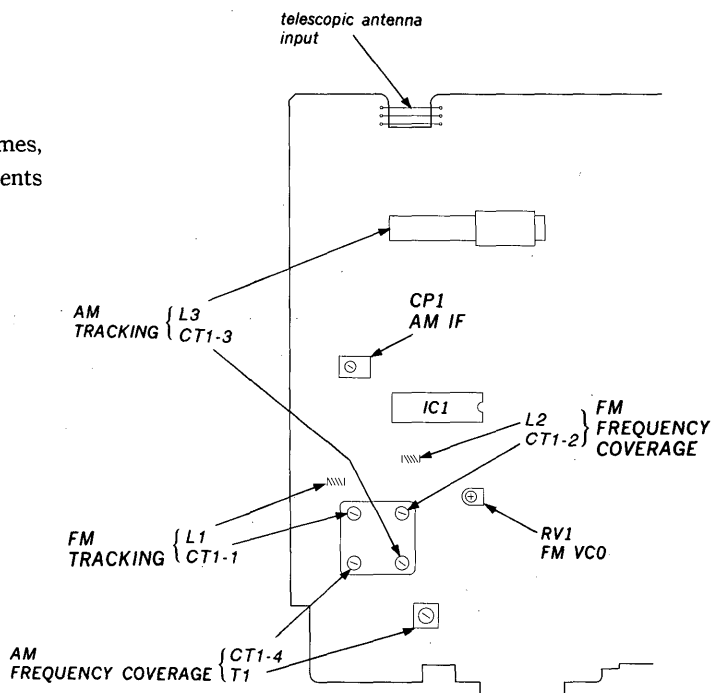


30% amplitude
modulation by
400Hz signal



Adjustment Location : AUDIO MAIN board

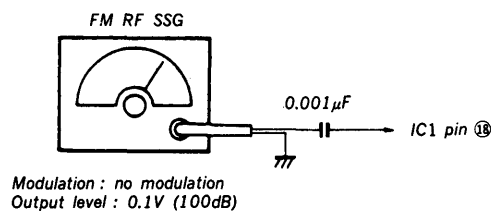
AUDIO MAIN BOARD —Component side—



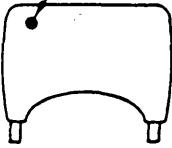
- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

FM VCO ADJUSTMENT

Setting :



Carrier Frequency : According to the color of the mark on ceramic (CF2)

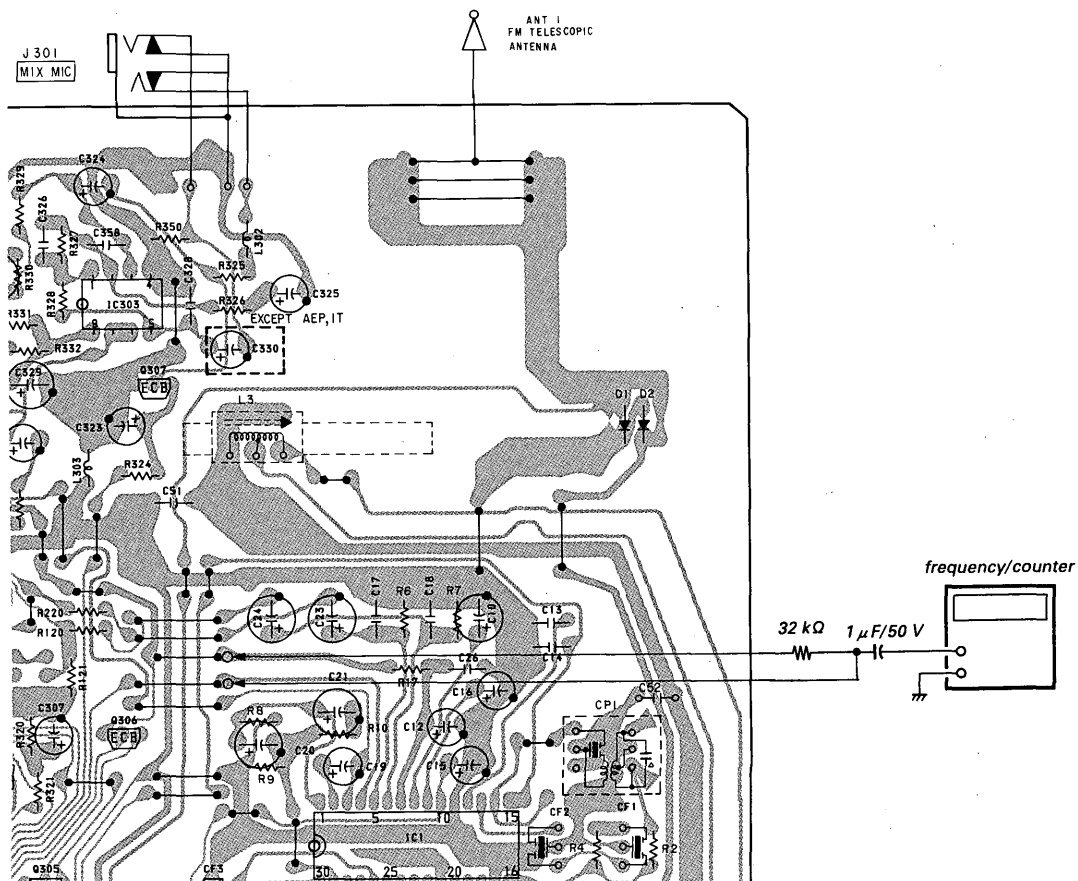
	Mark	Carrier Frequency
	red	10.7 MHz
	blue	10.67 MHz
	orange	10.73 MHz
	black	10.64 MHz
	white	10.76 MHz

Procedure :

1. Adjust RV1 so that the reading on the frequency counter becomes in 76.0kHz $\pm$ 0.3kHz.

Adjustment Location : Audio Main Board (See page 7)

AUDIO MAIN BOARD —Conductor side—



4-3. CD SECTION

Notes on Adjustment

1. Perform adjustment in service mode.
After adjustment, be sure to release service mode.
2. Perform adjustments in the order given.
3. Use the disc (YEDS-18, Part No. 3-702-101-01) only when so indicated.

Before Adjustment

Put the set into service mode and perform the following checks. Repair if there are any problems.

• Sled Motor Check

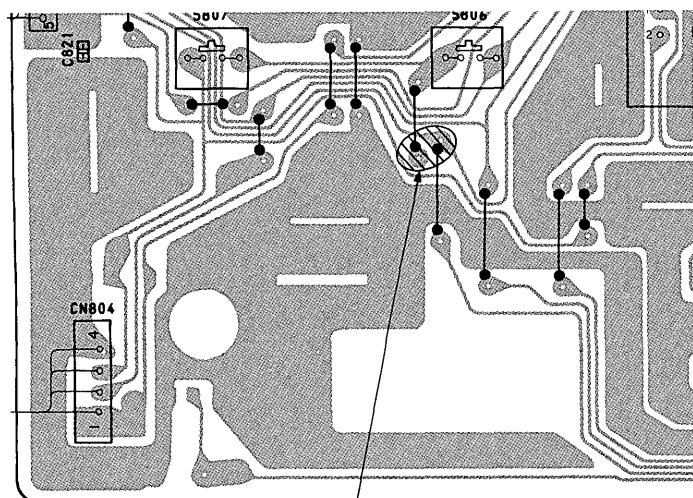
1. Press ► key, then press ■ key.
2. Press ►►, ◀◀ keys and confirm that the FOP moves smoothly from the innermost to outermost circumference and back smoothly and with no catching or abnormal noises.
►►: FOP moves to the outer circumference
◀◀: FOP moves to the inner circumference

• Focus Search Check

1. Press ► key. (Focus search operation is performed continuously.)
2. Look at the FOP objective lens and confirm that it moves up and down smoothly, with no catching or abnormal noises.
3. Press ■ key.
Confirm that focus search operation stops. If it does not, press ■ key again longer.

How to Put the Set into Service Mode

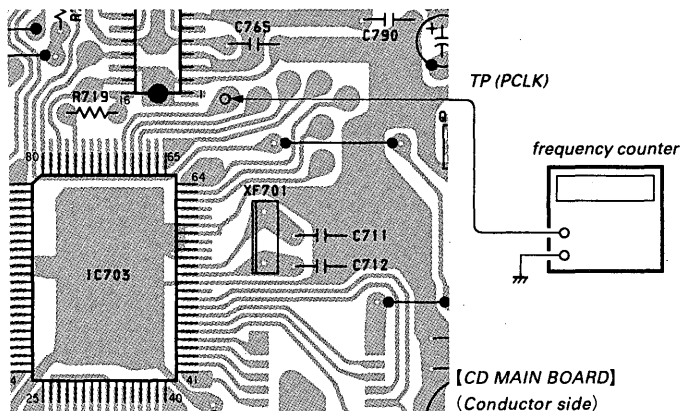
1. Solder-bridge the following portion on the CD control board.
2. Turn the power on.



[CD CONTROL BOARD]
(Conductor side)

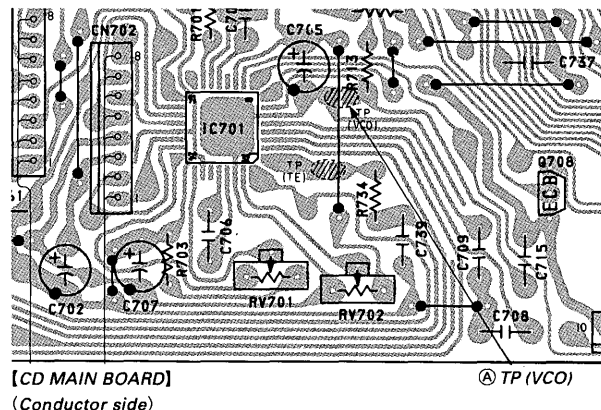
solder bridge

VCO Adjustment



Adjustment Procedure:

1. Make a solder bridge at portion ① on CD main board.
2. Adjust RV703 so that the reading on the frequency counter becomes 4.3218MHz.
3. Remove the solder-bridge at ① portion.

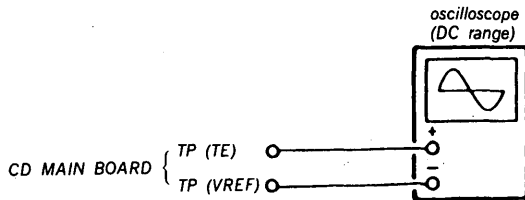


- See page 13 for Adjustment Location.

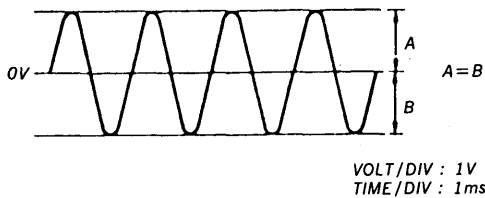
Traverse Adjustment

This adjustment is to be done when the optical block is replaced.

Adjustment Procedure :

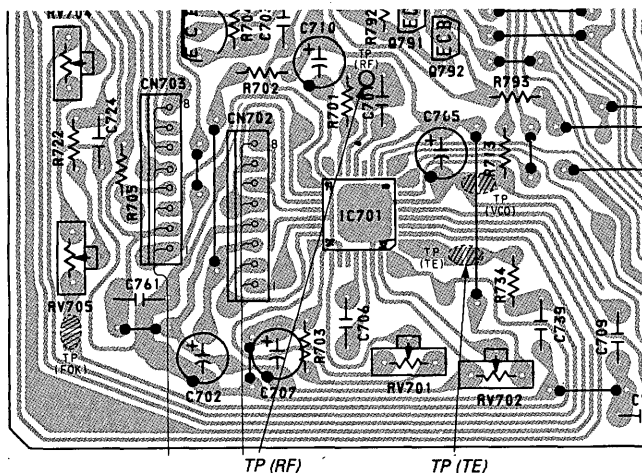


1. Connect the oscilloscope between TP (TE) and TP (VREF).
2. Put the set into service mode.
3. Press the ►► and ◄◄ keys to move the FOP to the center.
4. Insert disc (YEDS-18) and press ► key.
5. Adjust RV701 so that the oscilloscope traverse waveform is symmetrical, as shown in the figure below.
6. Release service mode after adjustment is completed.



Adjustment value : $2 \pm 0.5V_{p-p}$

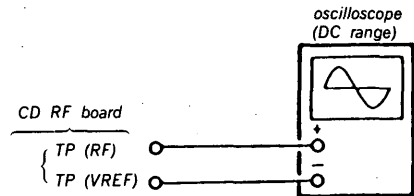
[CD MAIN BOARD] (Conductor side)



Focus Bias Adjustment

This adjustment is to be done when the optical block is replaced.

Adjustment Procedure :

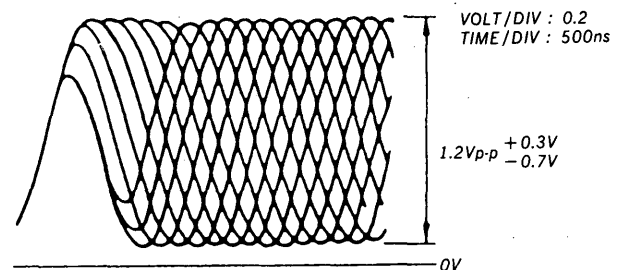


1. Connect the oscilloscope between TP (RF) and TP (VREF).
2. Put the set into service mode.
3. Press the ►► and ◄◄ keys to move the FOP to the center. (Move the FOP to the music area on the disc to enable easy visibility of the eye pattern.)
4. Insert disc (YEDS-18) and press ► key.
5. Adjust RV702 so that the oscilloscope waveform is as shown in the figure below (eye pattern).

A good eye pattern means that the diamond shape (◊) in the center of the waveform can be clearly distinguished.

6. Release service mode after adjustment is completed.

• RF signal reference waveform (eye pattern).



When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensitivity.

• See page 13 for Adjustment Location.

REFERENCE

Focus/Tracking Gain Adjustment

A frequency response analyzer is necessary in order to perform this adjustment exactly.

However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment.

Focus/tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when the 2-axis device operate.

However, as these reciprocate, the adjustment is at the point where both are satisfied.

- When gain is raised, the noise when the 2-axis device operates increases.
- When gain is lowered, it is more susceptible to mechanical shock and skipping occurs more easily.
- When gain adjustment is off, the symptoms below appear.

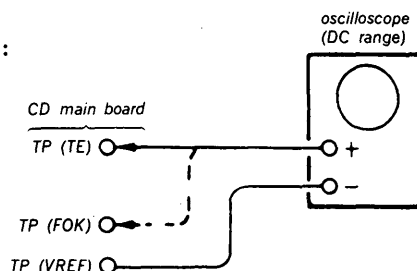
	Gain	Focus	Tracking
Symptoms			
• The time until music starts becomes longer for STOP → ► PLAY on automatic selection (◀◀, ▶▶ buttons pressed. (Normally takes about 2 seconds.)		low	low or high
• Music does not start and disc continues to rotate for STOP → ► PLAY or automatic selection (◀◀, ▶▶ buttons pressed.)		—	low
• Sound is interrupted during PLAY. Or time counter display stops progressing		—	low
• More poise during 2-axis device operation.		high	high

The following is a simple adjustment method.

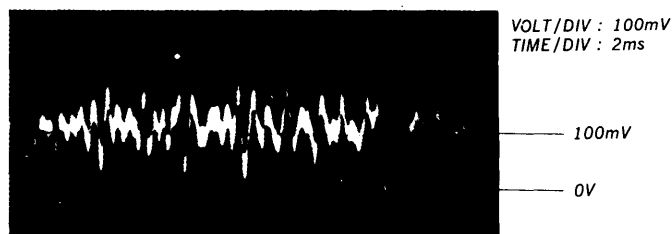
—Simple Adjustment—

Note : Since exact adjustmeunt cannot be performed, remember the positions of the controls before performing the adjustment. If the positions after the simple adjustment are only a little different, return the controls to the original position.

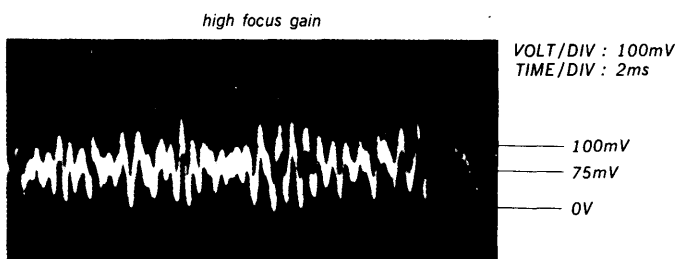
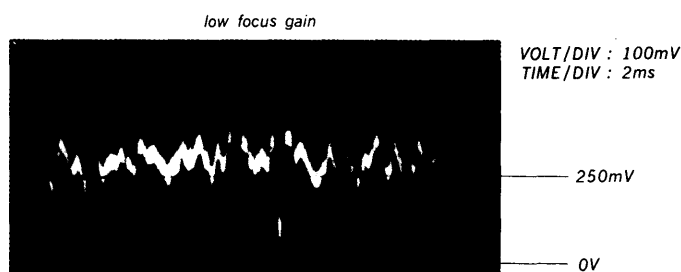
Procedurd :



1. Keep the set horizontal.
If the set not horizontal, this adjustment cannot be performed due to the gravity against the 2 axis device.
2. Put the set into service mode.
3. Insert disc (YEDS-18) and press ► PLAY button.
4. Connect oscilloscope to CD main board TP (FOK).
5. Adjustment RV705 so that the waveform is as shown in the figure below. (focus gain adjustment)



- Incorent Examples (DC level changes more than on adjusted waveform)

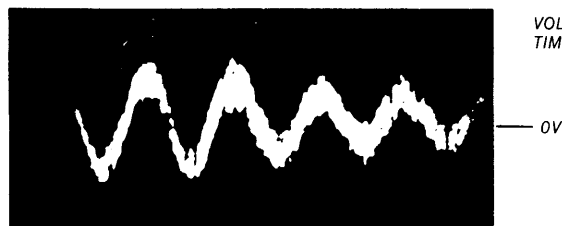


5. Connect oscilloscope to TP (TE).
6. Adjust RV704 so that the waveform is as shown in the figure below. (Tracking gain adjustment)



• Incorrect Examples (fundamental wave appears)

low tracking gain



high tracking gain

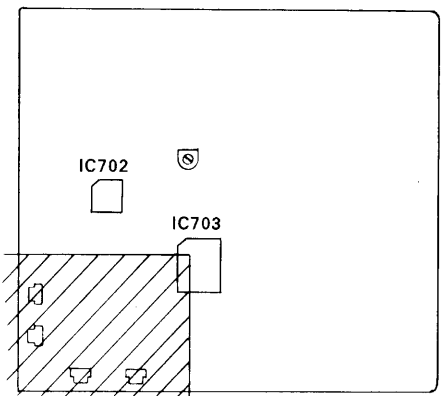
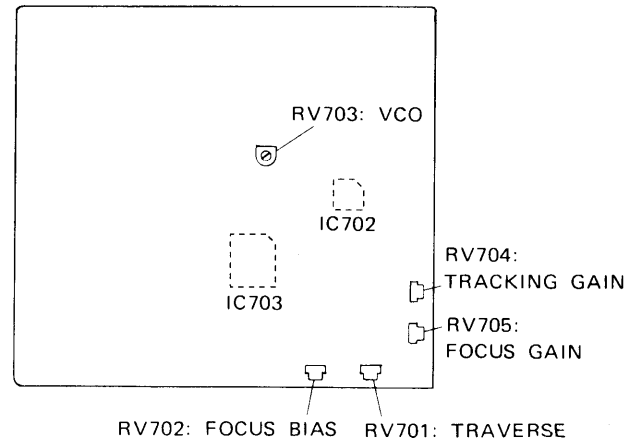
(higher fundamental wave than for low gain)



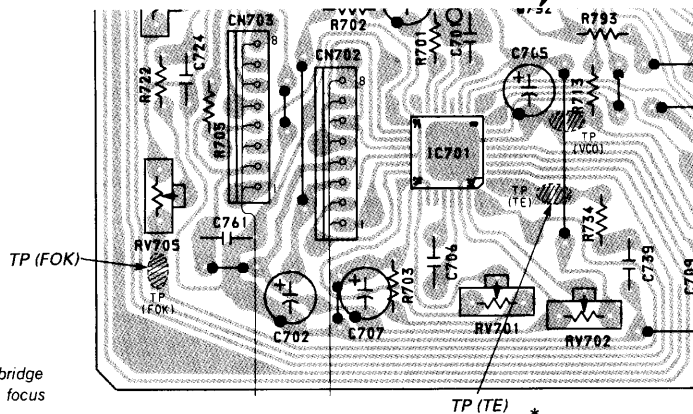
Adjustment Location :

CD MAIN BOARD

—Component side—



CD MAIN BOARD (Conductor side)



* Remove the solder bridge while adjustment of focus gain.
(After adjustment make the solder bridge)

* Remove the solder bridge while adjustment of tracking gain.
(After adjustment make the solder bridge)

* Note : When a frequency response analyzer is used :

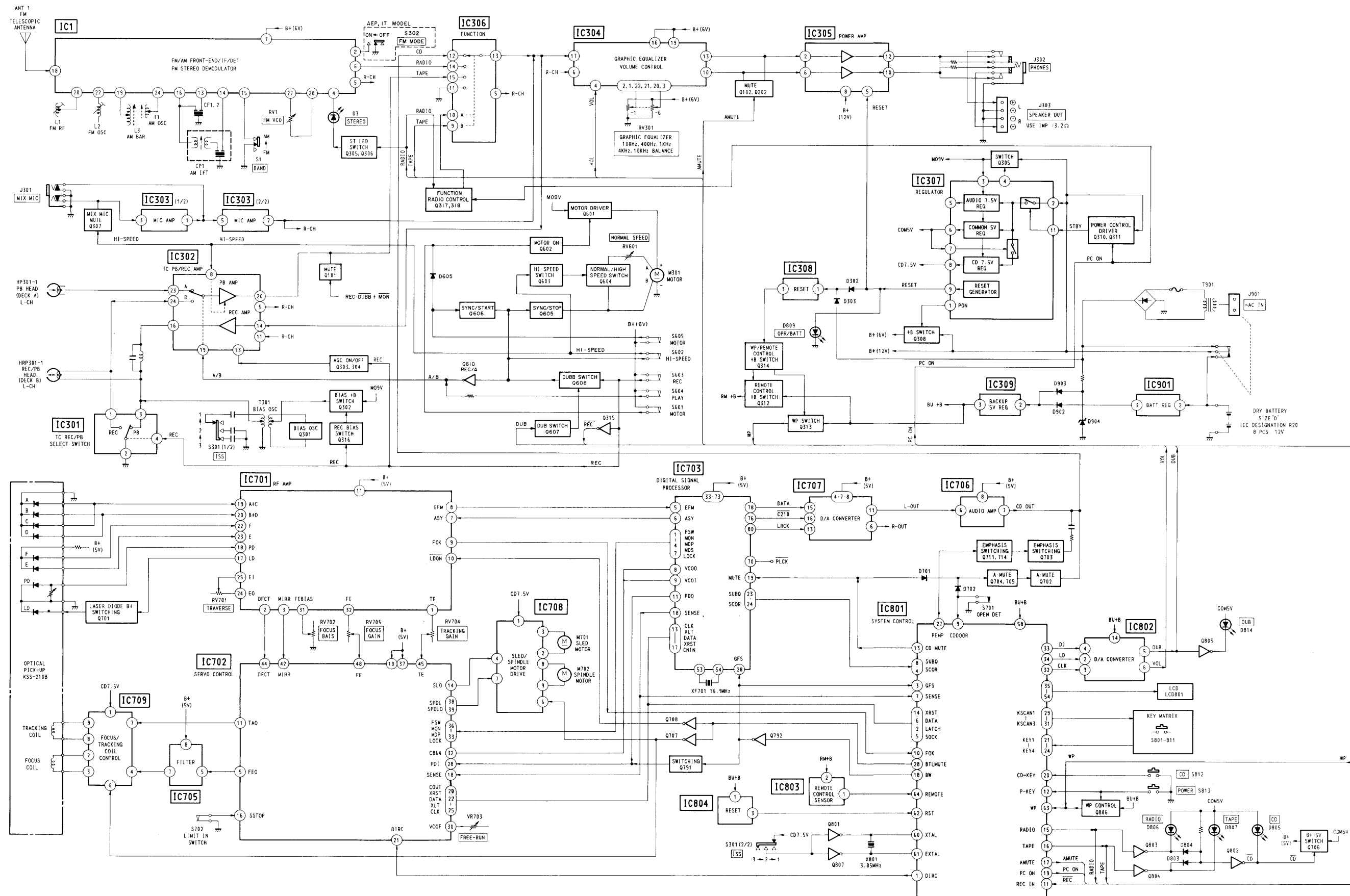
SECTION 4 DIAGRAMS

4-1. IC PIN FUNCTION DESCRIPTION

• IC801 CXA5086-665Q

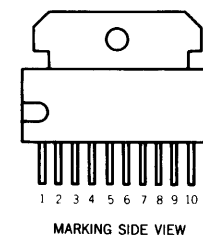
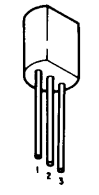
Pin No.	Name	I/O	Description
1	PY0	O	Direct control output
2	PY1	O	CD system latch output
3	PY2/INT2	I	CD GFS input
4	PY3/EC	I	CD SCOR input
5	PX0/SC	I/O	CD clock output
6	PX1/SOB	I/O	CD data output
7	PX2/SOA	I/O	CD SENSE input
8	PX3/SI	I	CD SUBQ input
9	PD0 P	I/O	CD DOOR input
10	PD1 O	I/O	CD focus ok input
11	PD2 R	I/O	REC input
12	PD3 T	I/O	Power key input
13	PC0 P	I/O	CD mute output
14	PC1 O	I/O	CD system reset output
15	PC2 R	I/O	Function output
16	PC3 T	I/O	Function output
17	PB0 B	I/O	Audio mute output
18	PB1 I	I/O	Range control output/REG check input
19	PB2 T	I/O	Power ON output
20	PB3	I/O	CD key input
21	PA0 B	I/O	Key input (STOP/DISP/VOL+)
22	PA1 I	I/O	Key input (PLAY/RADIO/VOL-)
23	PA2 T	I/O	Key input (FF/MODE/TAPE)
24	PA3	I/O	Key input (FR/TEST/TAPEDUB)
25	VSS		Ground
26	(VDD)		
27	PE3/SEG23	O	CD pre-emphasis output
28	PE2/SEG22	O	CD BTL mute output
29	PE1/SEG21	O	Key scan output
30	PE0/SEG20	O	Key scan output
31	PF3/SEG19	O	Key scan output
32	PF2/SEG18	O	VOL clock output
33	PF1/SEG17	O	VOL data output
34	PF0/SEG16	O	VOL LOAD output
35	SEG15	O	LCD segment output
36	SEG14	O	LCD segment output
37	SEG13	O	LCD segment output
38	SEG12	O	LCD segment output
39	SEG11	O	LCD segment output
40	SEG10	O	LCD segment output
41	SEG9	O	LCD segment output
42	SEG8	O	LCD segment output
43	SEG7	O	LCD segment output
44	SEG6	O	LCD segment output
45	SEG5	O	LCD segment output
46	SEG4	O	LCD segment output
47	SEG3	O	LCD segment output
48	SEG2	O	LCD segment output
49	SEG1	O	LCD segment output
50	SEG0	O	LCD segment output
51	COM3	O	LCD common output
52	COM2	O	LCD common output
53	COM1	O	LCD common output
54	COM0	O	LCD common output
55	VLC1	I	LCD voltage set up
56	VLC2	I	LCD voltage set up
57	VLC3	I	LCD voltage set up
58	VDD	I	+B
59	VL	O	Tape dubbing output
60	XTAL	O	Clock 3MHz
61	EXTAL	I	Clock
62	RST	I/O	Reset input
63	WP	I	Wake up input
64	INT1	I	Remote control input

4-2. BLOCK DIAGRAM

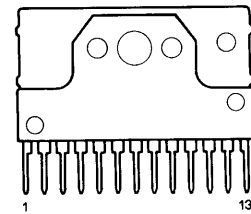


4-3. SEMICONDUCTOR LEAD LAYOUTS

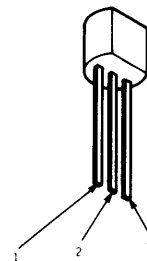
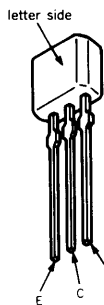
BA6294

KIA702P/F-TP
PST529D

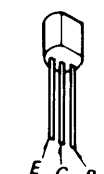
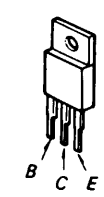
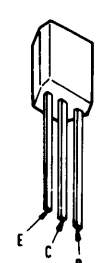
LA4597



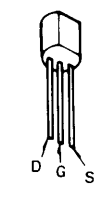
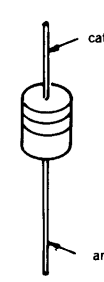
S-81250HG

2SA1175-HFE
2SC2785-HFE

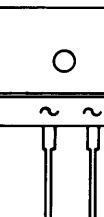
2SB1013-4

2SB1370-EF
2SD20122SC4048
DTA114YS
DTC143TS
DTC124ES

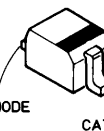
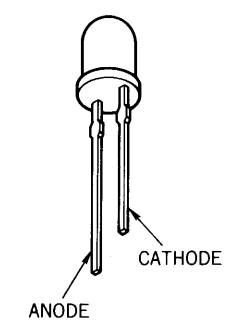
2SK105A-30

1SS119
RD5.6ESB2
RD6.2ESB2
RD8.2ESB2

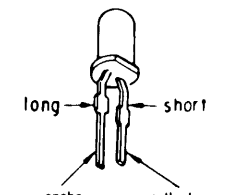
D3SB20



MA110

SLR-34MG70F107
SLR-34VR70F107
SLR-34VRF42

GL3PR8



Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D1	C-12	Q101	E-7
D2	C-12	Q102	F-4
D3	I-10	Q201	E-4
D101	E-7	Q202	F-4
D201	E-7	Q301	C-5
D301	F-5	Q302	B-6
D302	E-5	Q303	E-8
D303	G-2	Q304	E-8
D304	D-5	Q305	F-9
D306	E-5	Q306	E-9
D307	H-8	Q307	C-9
D601	H-17	Q308	F-5
D603	J-19	Q309	E-5
D605	J-15	Q310	D-5
D607	J-19	Q311	D-4
D608	J-19	Q312	G-2
D901	B-16	Q313	G-2
D602	F-17	Q314	G-2
D903	F-17	Q315	E-3
D904	G-17	Q316	C-5
		Q317	H-1
		Q318	H-1
IC1	E-11	Q601	I-14
IC301	G-6	Q602	I-14
IC302	F-7	Q603	J-14
IC303	C-9	Q604	J-14
IC304	G-4	Q605	J-14
IC305	E-4	Q606	J-17
IC306	D-8	Q607	J-18
IC307	D-5	Q608	J-18
IC308	D-4	Q610	I-15
IC309	G-2		
IC901	G-17		

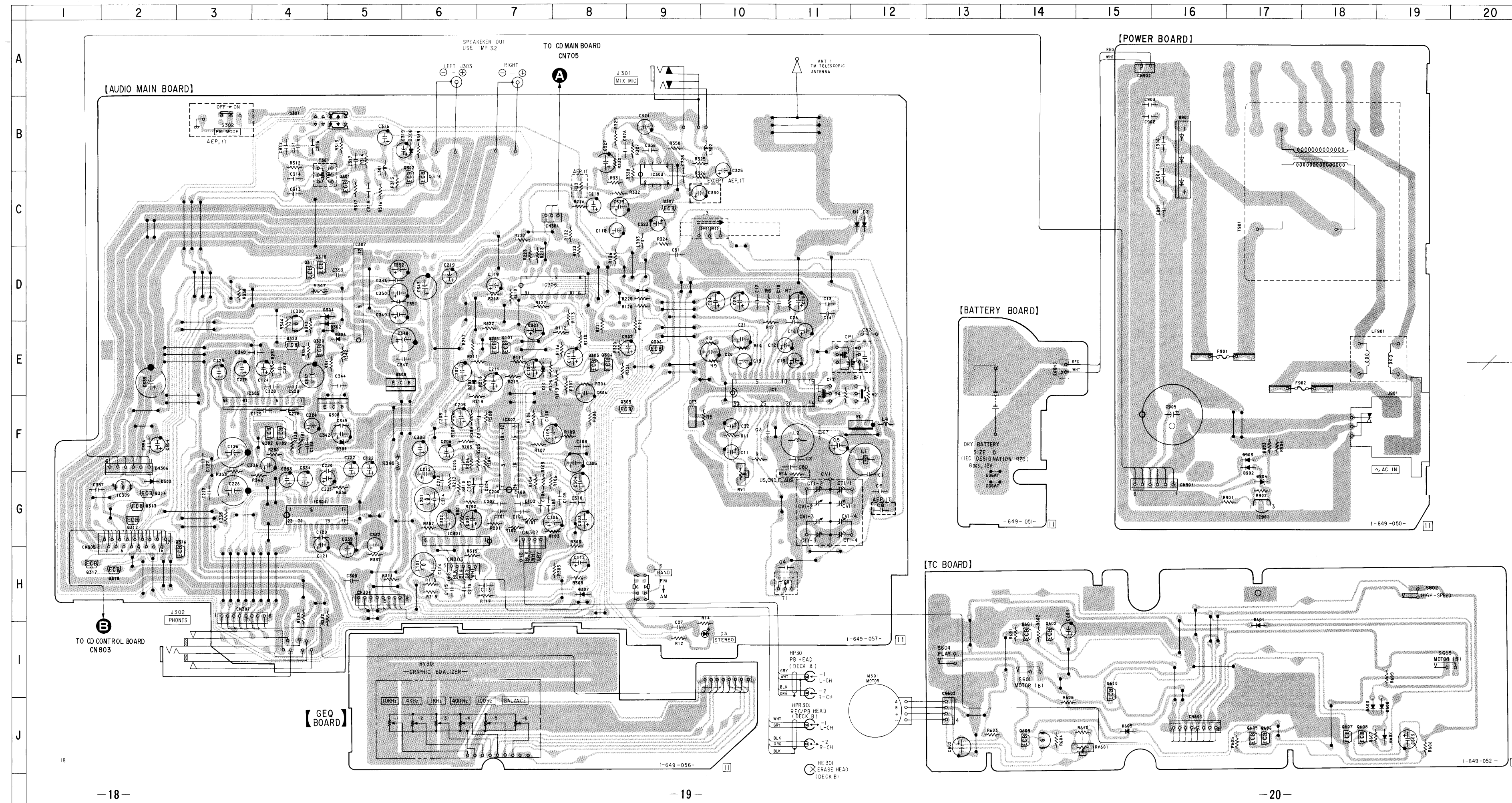
Note:

- — parts extracted from the component side.
- — indicates side identified with part number.
- — Pattern on the side which is seen.

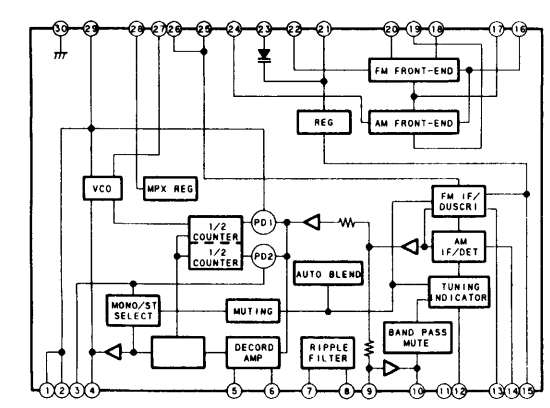
CND : Canadian
IT : Italian
AUS : Australian

SEE ADDITIONAL
INFORMATION

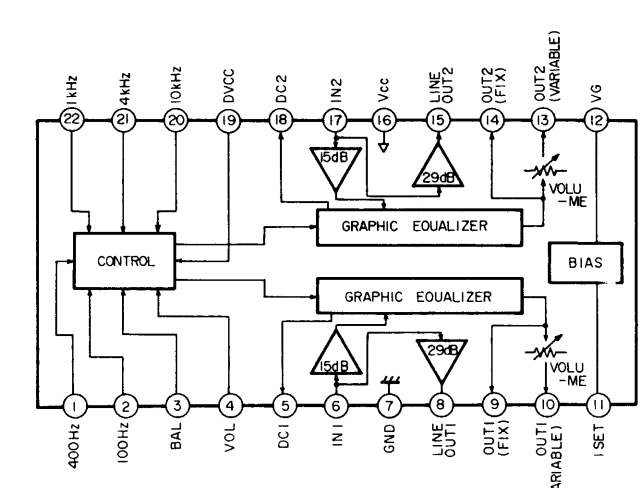
4-4. PRINTED WIRING BOARDS —MAIN Section—



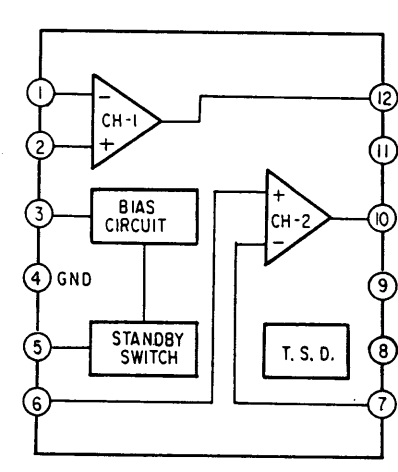
IC1 CXA1238S



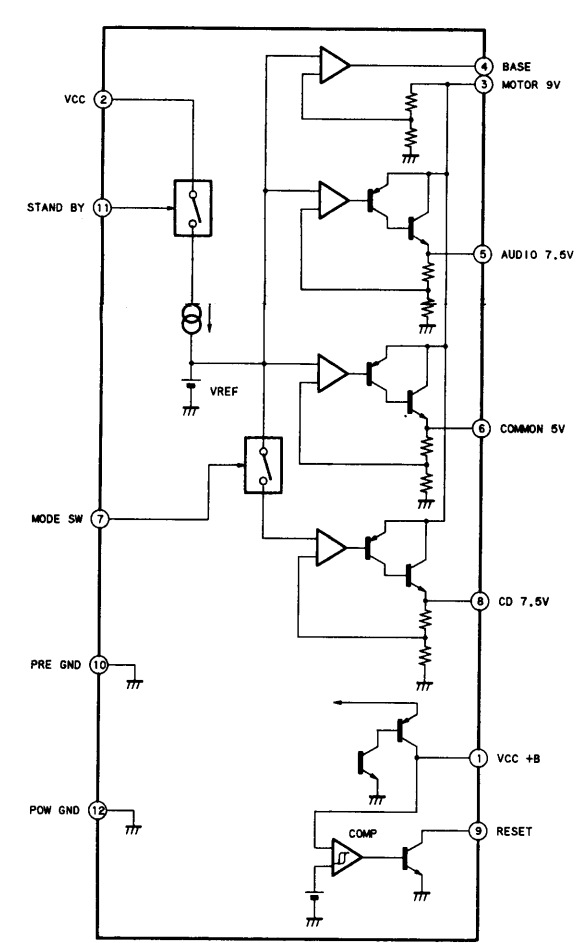
IC304 CXA1352AS



IC305 LA4597

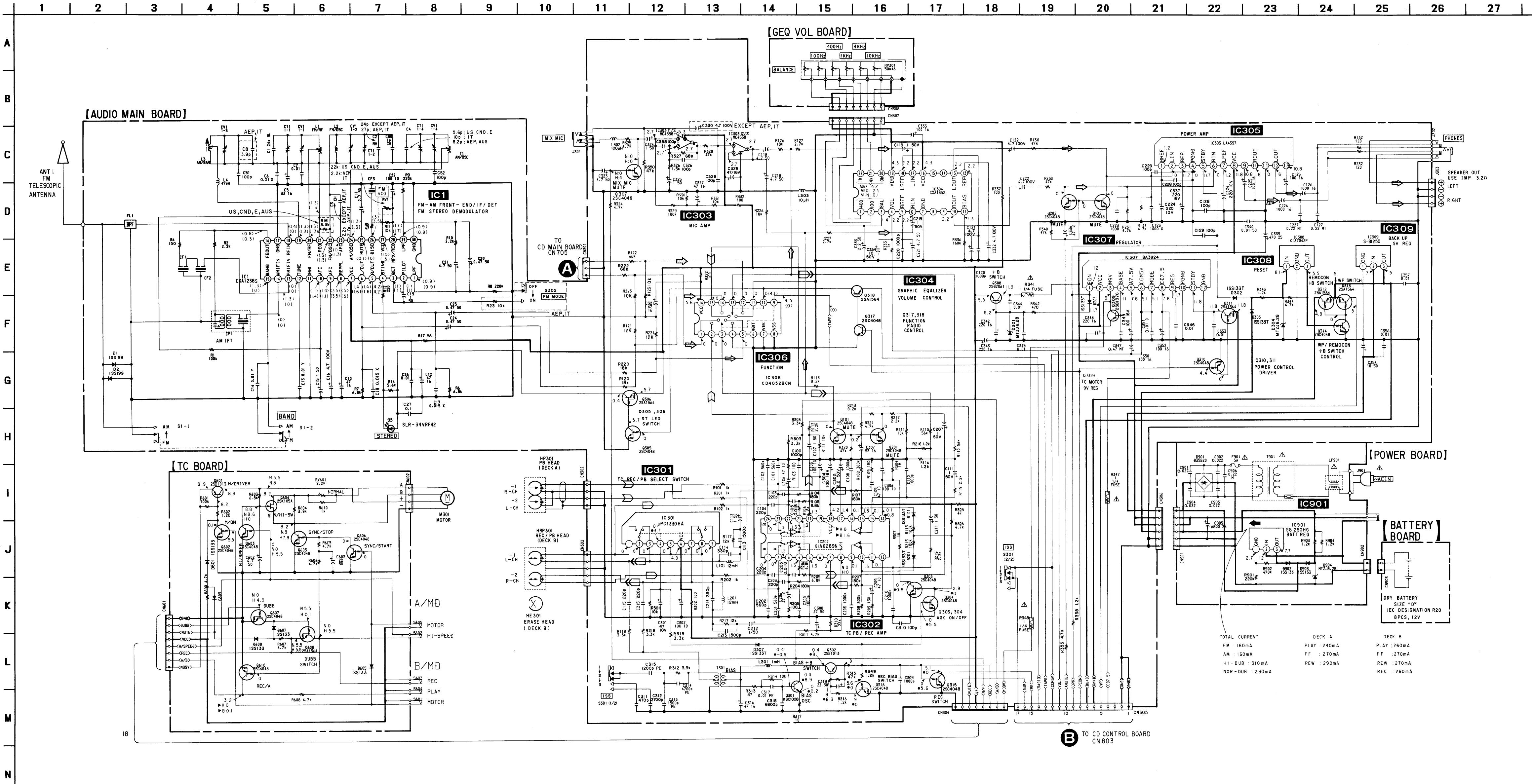


IC307 BA3924



4-5. SCHEMATIC DIAGRAM —MAIN Section—

SEE ADDITIONAL INFORMATION



Note:
• All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
• All resistors are in Ω and $\frac{1}{2}\text{W}$ or less unless otherwise specified.
• Δ : internal component.
• $\square$: nonflammable resistor.
• --- : fusible resistor.

Note:
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

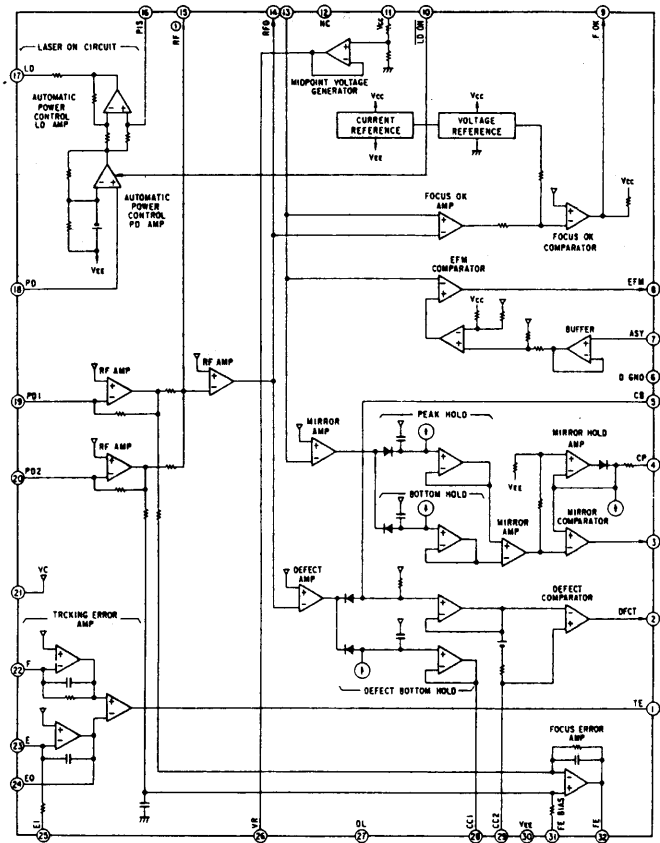
Note:
Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

• B+ Line
• $\square$: adjustment for repair.
• Power voltage is dc 12 V and fed with regulated dc power supply from external power voltage jack.
• Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
no mark: PLAY H: HIGH SPEED
▶ A: PLAY (DECK A) (<) : FM
▶ B: PLAY (DECK B) (<) : AM
• REC
N: NORMAL SPEED
• Signal path.
◀ : FM ▶ : CD
◀ : PB (DECK A) ▶ : REC (DECK B)
◀ : REC (DECK B)
CND: Canadian
IT: Italian
AUS: Australian

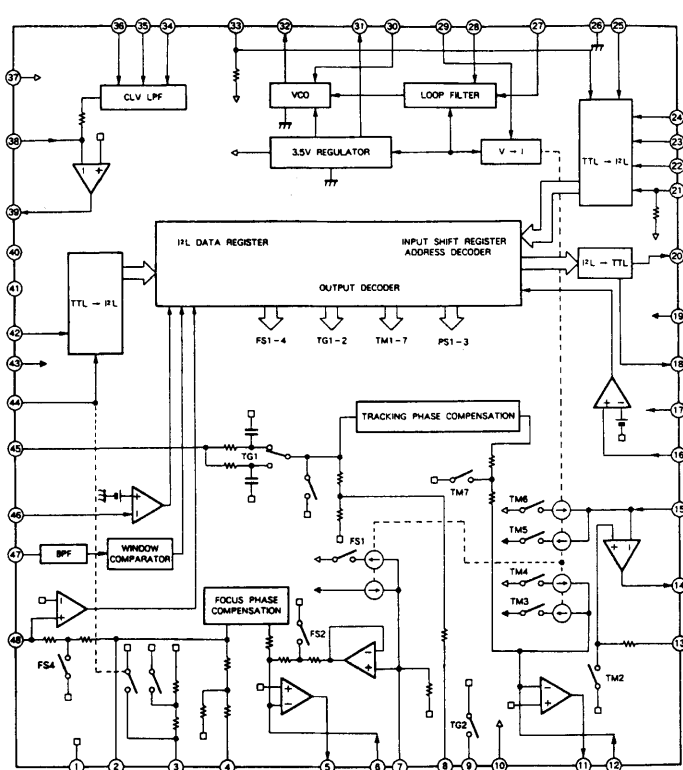
TOTAL CURRENT

FM 160mA	PLAY 240mA	DECK B PLAY 260mA
AM 160mA	FF 270mA	FF 270mA
H1-DUB 310mA	REW 270mA	REW 270mA
NOR-DUB 290mA	REC 260mA	REC 260mA

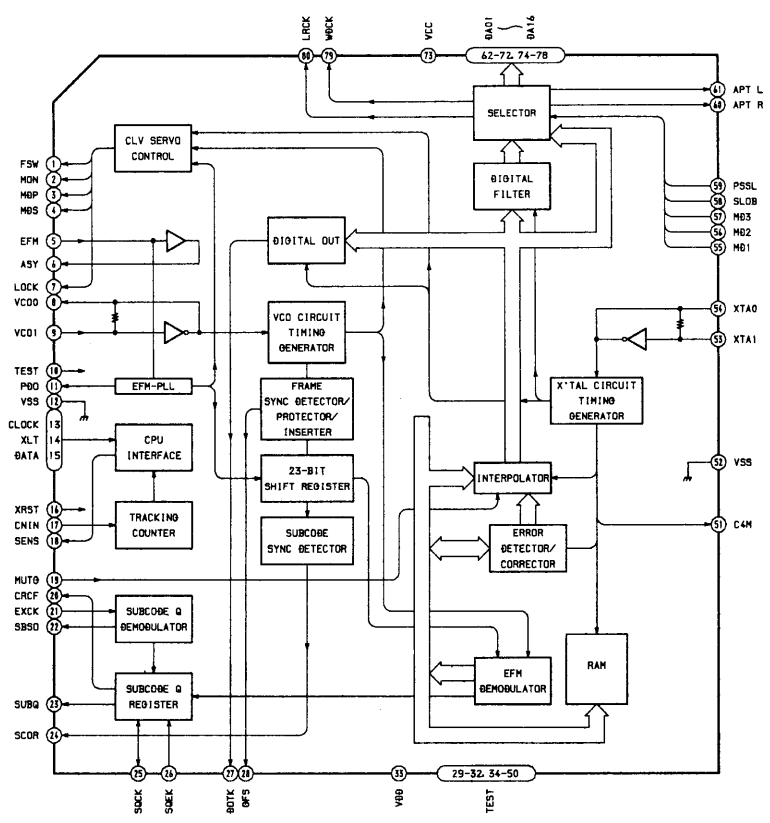
IC701 CXA1081Q



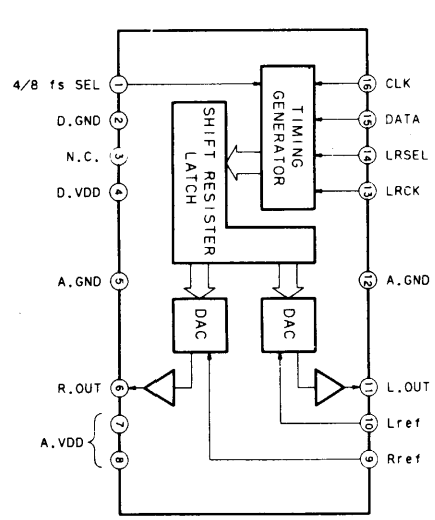
IC702 CXA1182Q-Z



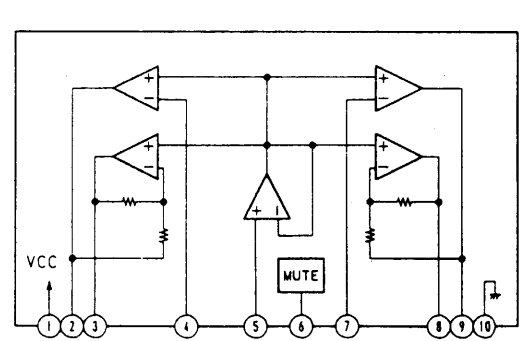
IC703 CXD1167Q



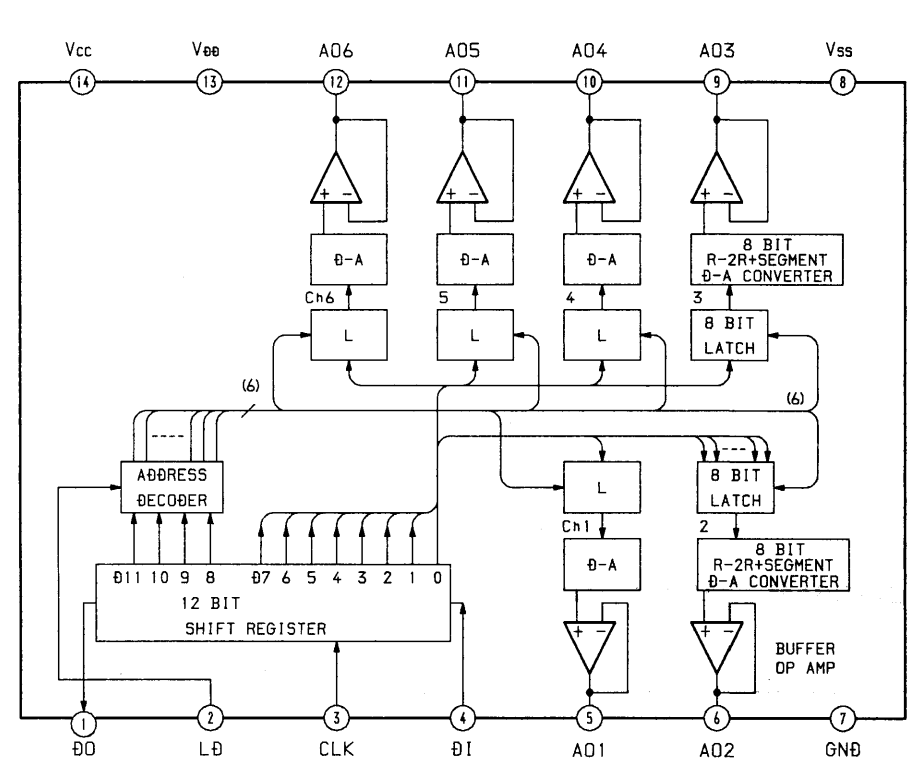
IC707 μPD6376GS



IC708, 709 BA6294



IC802 M62354P



- Note:**
- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $1/4$ W or less unless otherwise specified.
 - : fusible resistor.

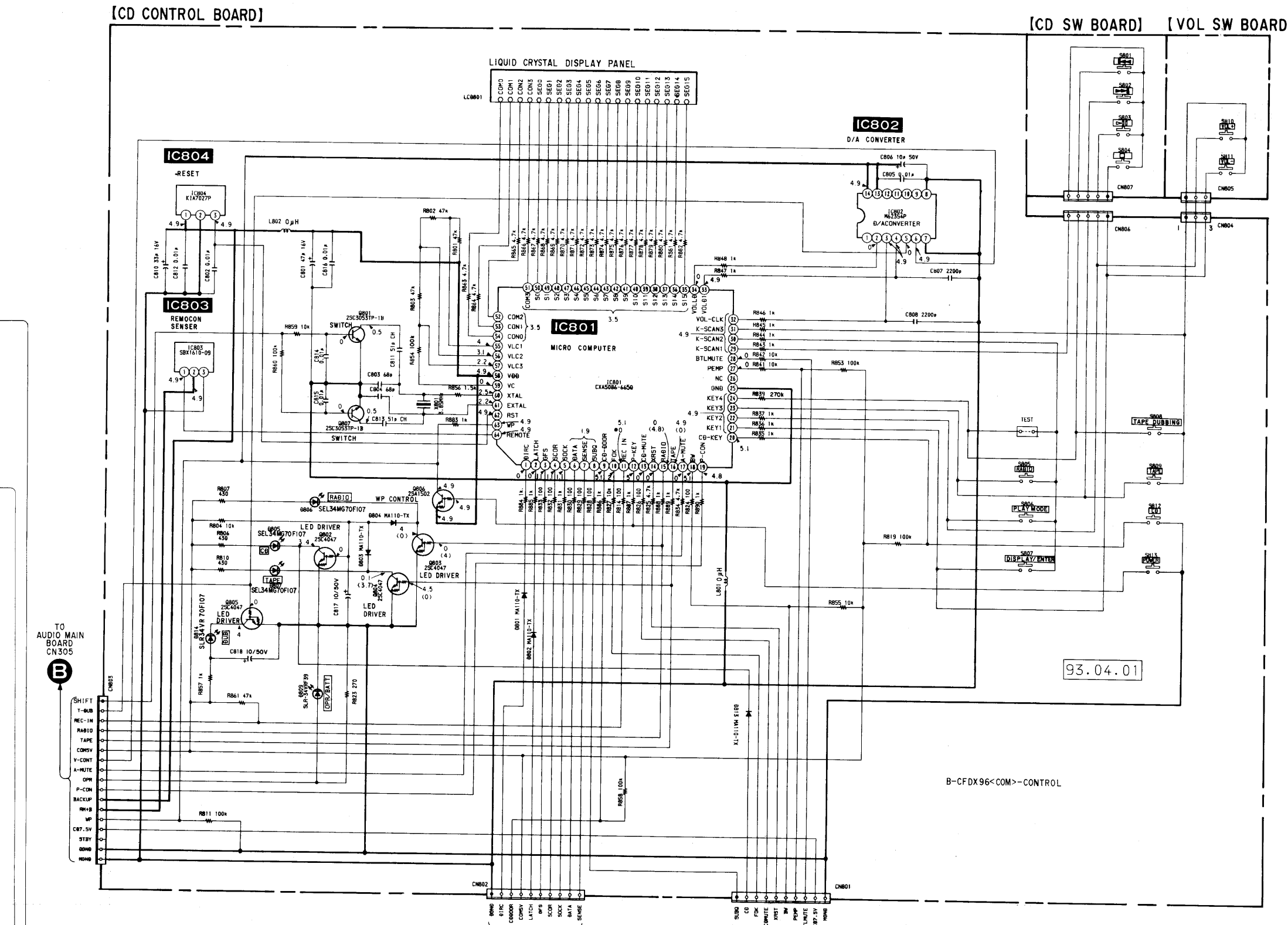
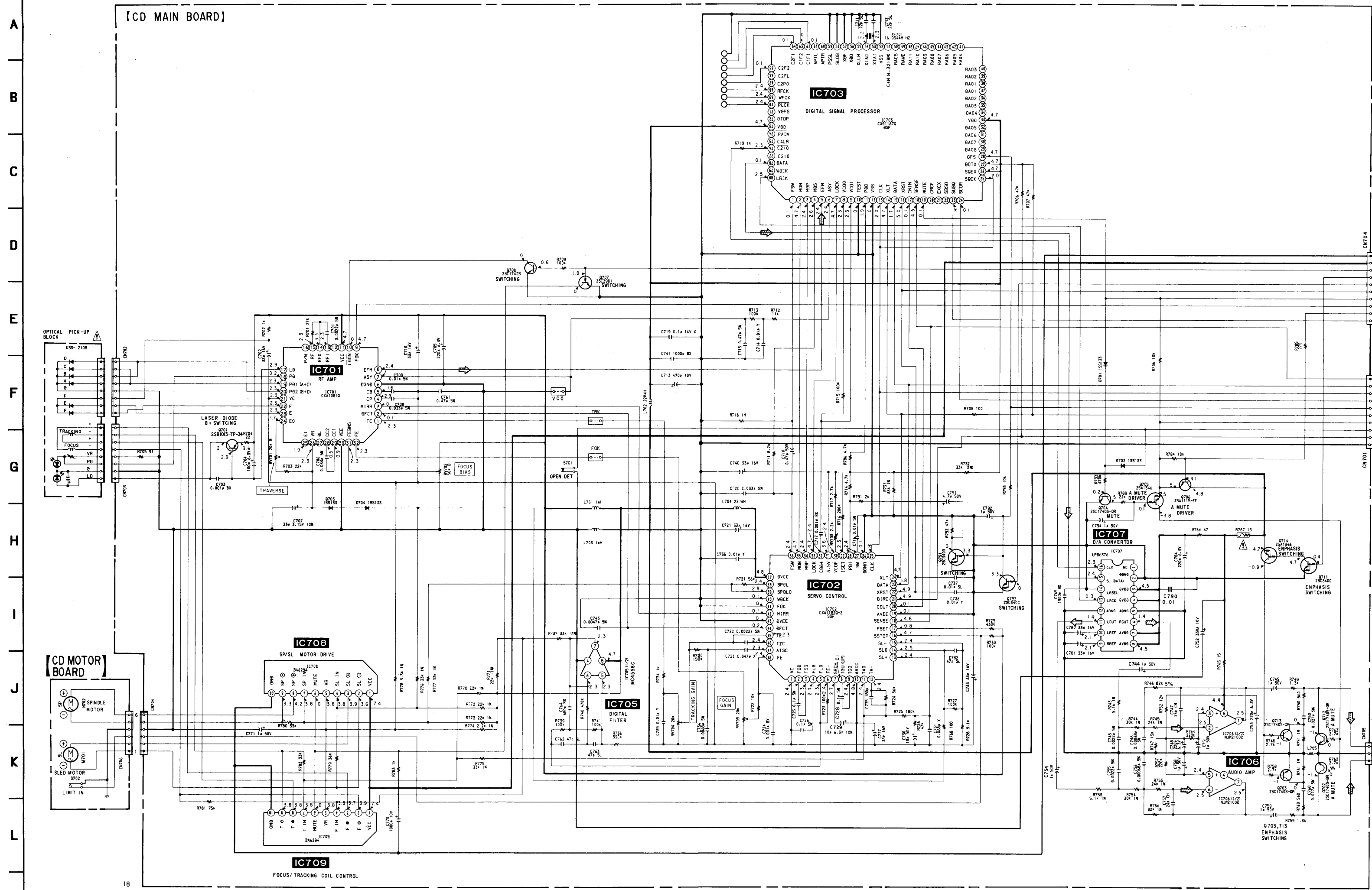
Note:
The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

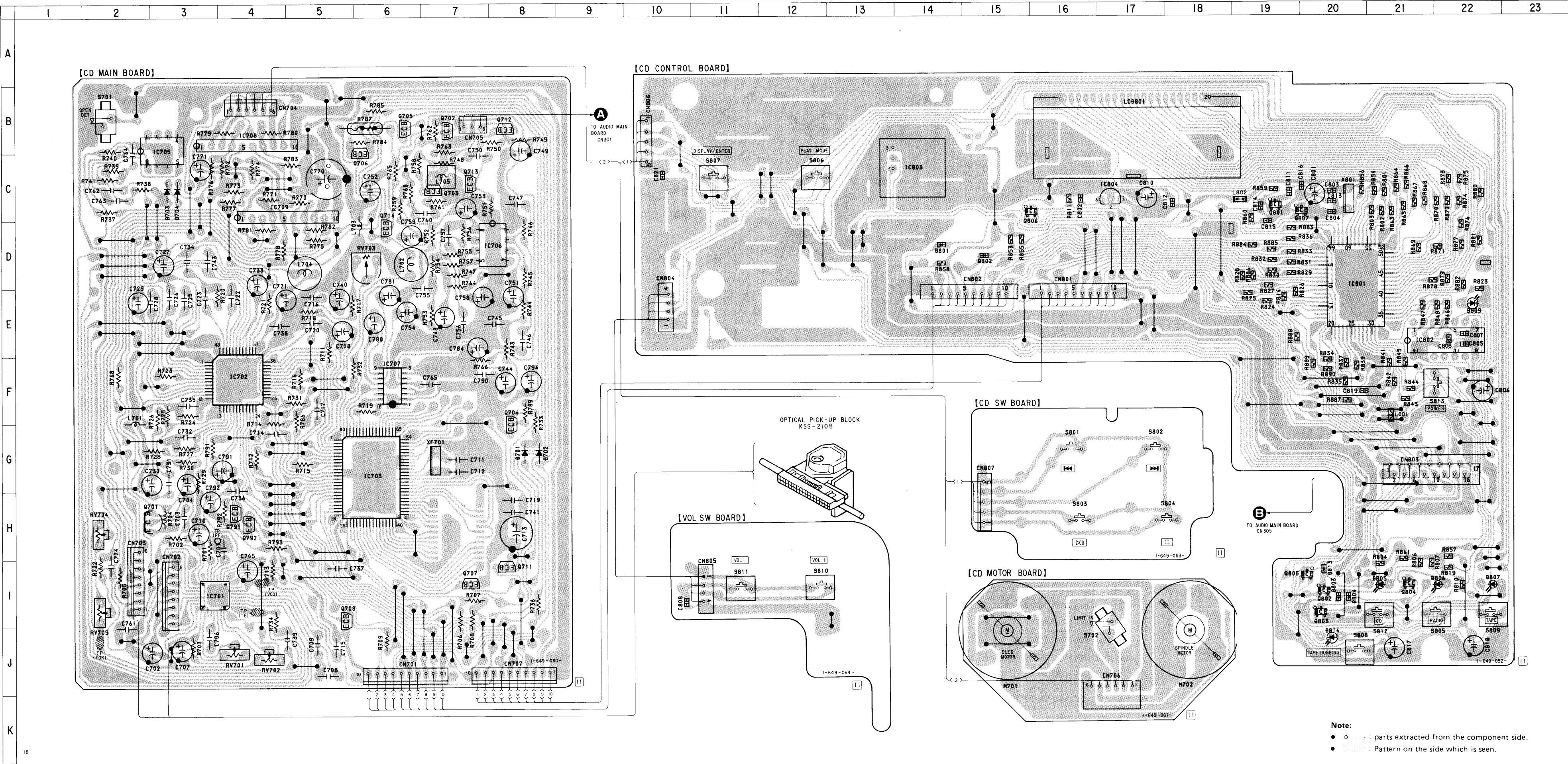
Note:
Les composants identifiés par une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- : B+ Line
- : adjustment for repair
- Power voltage is dc 12 V and fed with regulated dc power supply from external power voltage jack.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark : CD
- Signal path
- : CD

4-6. SCHEMATIC DIAGRAM —CD Section—

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33





• Semiconductor Location

Ref. No.	Location
D701	G-8
D702	G-8
D703	C-3
D704	C-3
D801	D-16
D802	D-15
D803	I-20
D804	I-20
D805	I-21
D806	I-22
D807	I-22
D809	E-22
D813	I-20
D814	I-20
IC701	I-4
IC702	F-4
IC703	G-6
IC705	B-3
IC706	D-8
IC707	F-6
IC708	B-4
IC709	C-5
IC801	D-20
IC802	E-22
IC803	C-14
IC804	C-17
Q701	H-2
Q702	B-7
Q703	C-7
Q704	F-8
Q705	B-6
Q706	B-6
Q707	I-11
Q708	I-5
Q711	I-8
Q712	B-8
Q713	C-7
Q714	D-6
Q791	H-4
Q792	H-4
Q801	C-19
Q802	I-20
Q803	I-20
Q804	I-21
Q805	I-20
Q806	C-16
Q807	C-20

Note:
• : parts extracted from the component side.
• : Pattern on the side which is seen.

SECTION 5

EXPLODED VIEWS

NOTE:

- -xx,-x mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts
Example:
KNOB, BALANCE (WHITE)...(RED)

↑
Parts color

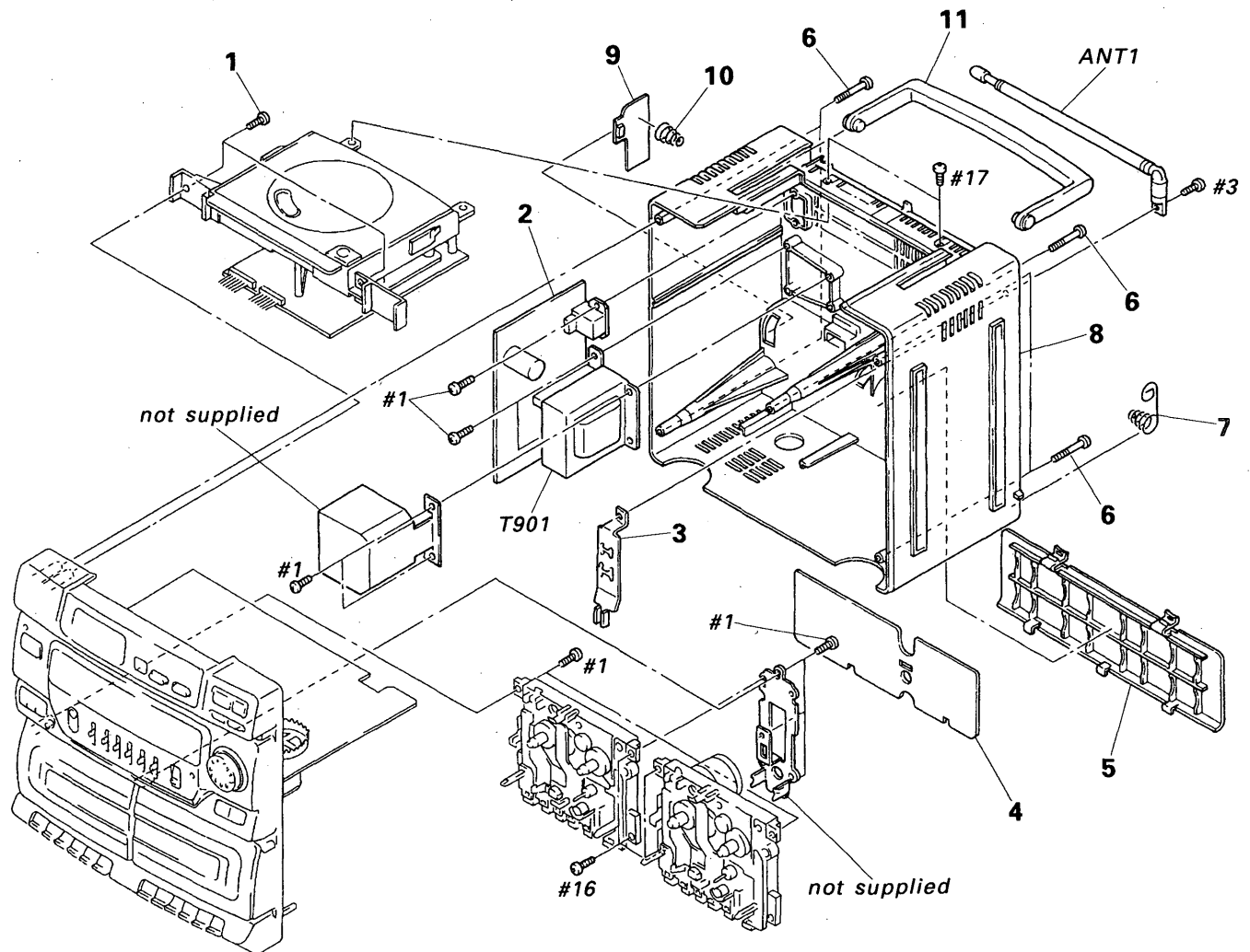
↑
Cabinet's color

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (#mark) list is given in the last of this parts list.
- Abbreviations
AUS: Australian CND: Canadian
IT: Italian

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

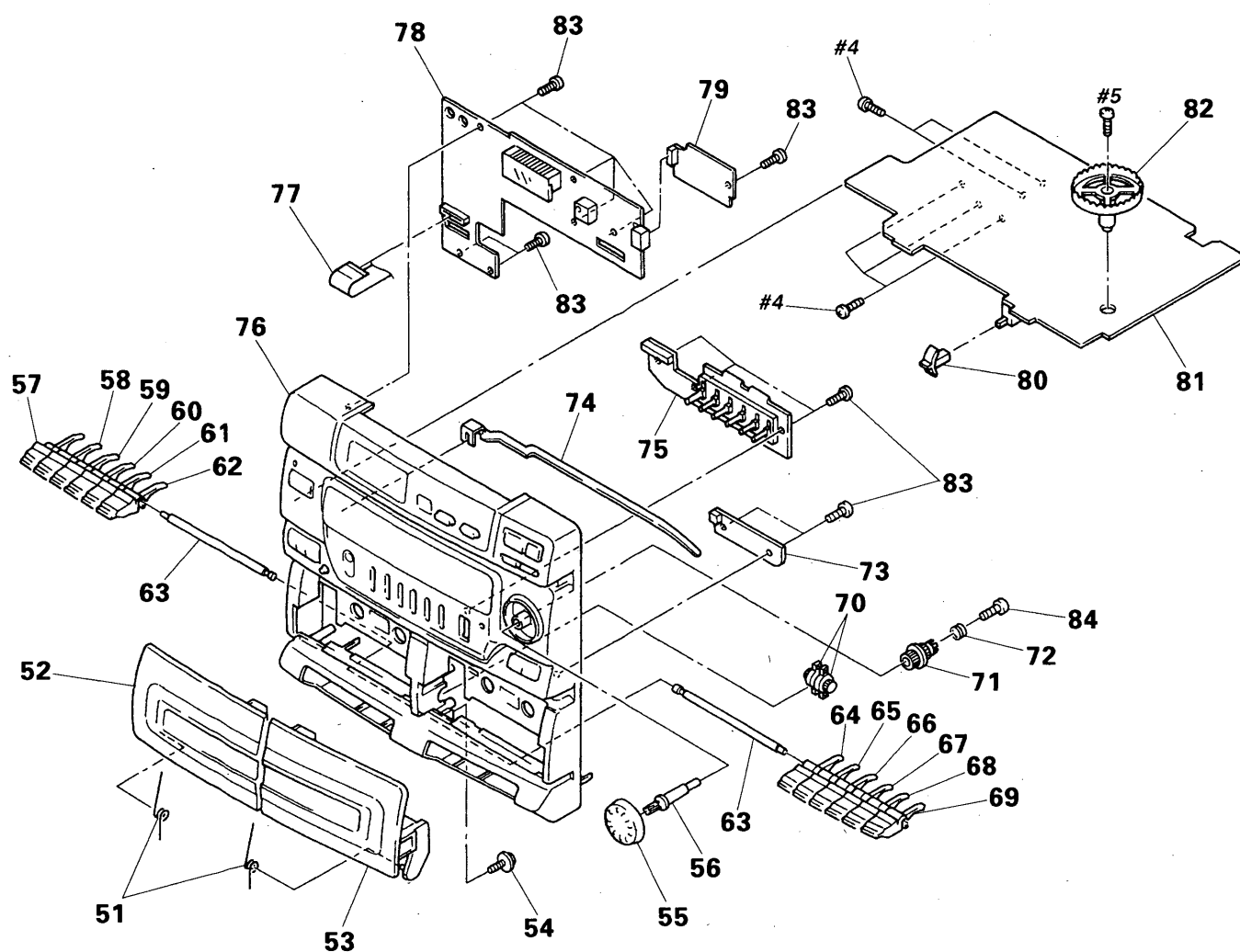
5-1. REAR CABINET BLOCK SECTION



Ref.No.	Part No.	Description	Remark
1	4-931-757-41	SCREW (DIA.2.6X10) (IT3B)	
*2	1-649-050-11	POWER BOARD	
3	3-905-173-01	TERMINAL, ANT	
*4	A-3264-689-A	TC BOARD, COMPLETE	
5	3-380-485-01	LID, BATTERY CASE	
6	3-380-756-01	SCREW (+ BVTP) (3X40)	
7	3-905-179-01	SPRING (+ -), BATTERY	
8	3-905-108-01	CABINET (REAR) (US,E)	
8	3-905-108-11	CABINET (REAR) (CND,AUS)	

Ref.No.	Part No.	Description	Remark
8	3-905-108-21	CABINET (REAR) (AEP, IT)	
*9	1-649-051-11	BATTERY BOARD	
10	3-379-748-01	SPRING (-)	
11	X-3367-074-1	HANDLE ASSY	
ANT1	1-501-383-21	ANTENNA, TELESCOPIC	
Δ T901	1-423-765-11	TRANSFORMER, POWER (AEP, IT)	
Δ T901	1-423-766-11	TRANSFORMER, POWER (AUS)	
Δ T901	1-423-768-11	TRANSFORMER, POWER (US,CND,E)	

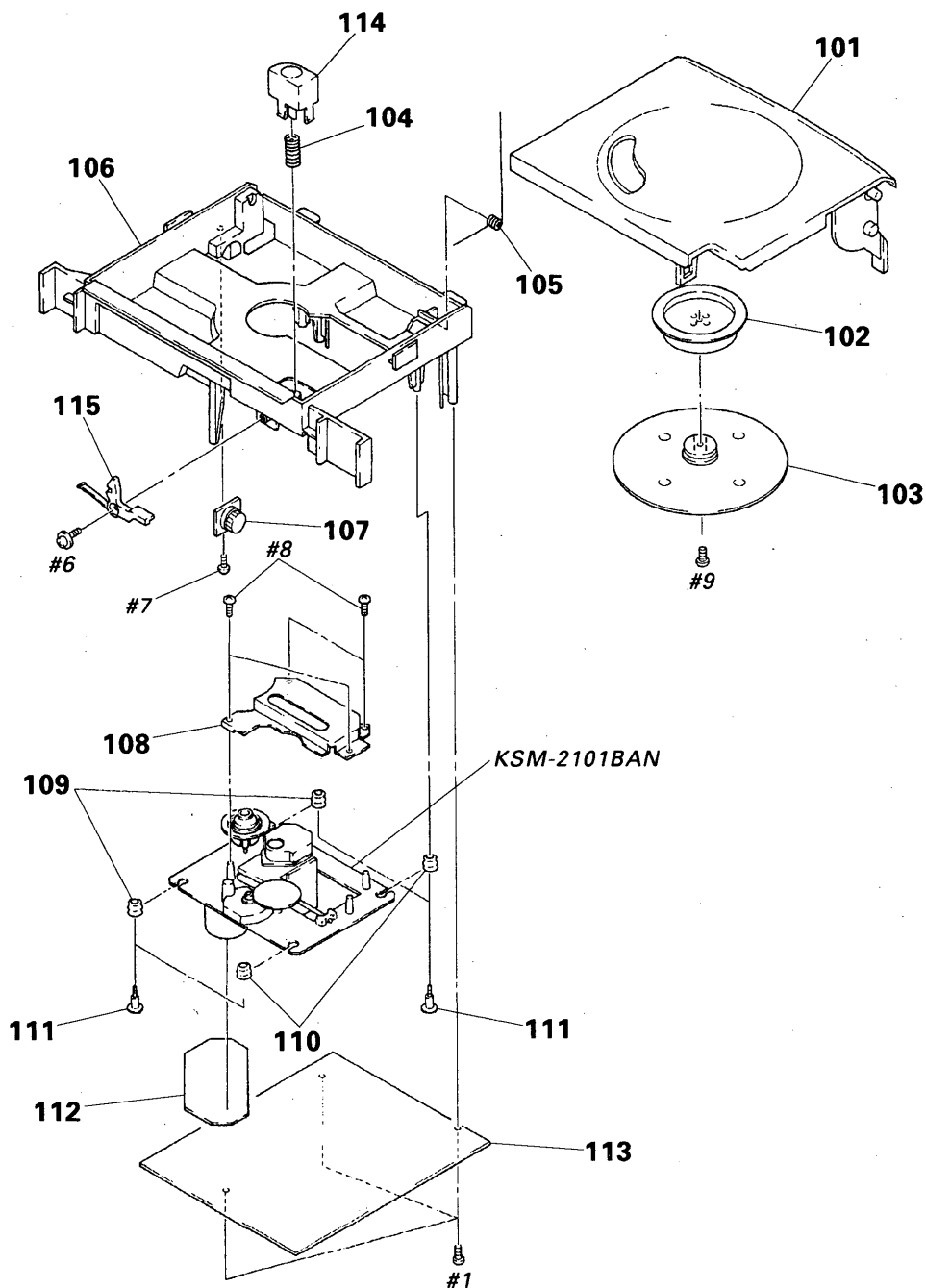
5-2. FRONT CABINET BLOCK SECTION



Ref.No.	Part No.	Description	Remark
51	3-905-171-01	SPRING, OPEN	
52	X-3367-069-1	HOLDER (A) SUB ASSY, CASSETTE	
53	X-3367-070-1	HOLDER (B) SUB ASSY, CASSETTE	
54	3-380-672-11	SCREW, WASHER (EXCEPT AEP)	
55	3-905-125-01	KNOB, TUNE	
56	3-905-127-01	SHAFT, TUNE	
57	3-905-133-01	BUTTON (STOP-A), MD	
58	3-905-134-01	BUTTON (HI-DUB), MD	
59	3-905-135-01	BUTTON (PLAY-A), MD	
60	3-905-136-01	BUTTON (REW-A), MD	
61	3-905-137-01	BUTTON (FF-A), MD	
62	3-905-138-01	BUTTON (PAUSE-A), MD	
63	3-905-175-01	SHAFT, MD	
64	3-905-139-01	BUTTON (STOP-B), MD	
65	3-905-140-01	BUTTON (REC), MD	
66	3-905-141-01	BUTTON (PLAY-B), MD	
67	3-905-142-01	BUTTON (REW-B), MD	
68	3-905-143-01	BUTTON (FF-B), MD	
69	3-905-144-01	BUTTON (PAUSE-B), MD	
70	3-343-248-01	DAMPER (P), SMALL	
71	3-905-128-01	GEAR, TUNE	

Ref.No.	Part No.	Description	Remark
72	3-905-180-01	SPRING, LIMIT	
*73	1-649-064-11	VOL SW BOARD	
74	3-905-126-01	POINTER	
*75	1-649-056-11	GEQ VOL BOARD	
76	X-3367-067-1	CABINET (FRONT) SUB ASSY (US,CND,E)	
76	X-3367-313-1	CABINET (FRONT) SUB ASSY (AEP)	
76	X-3367-315-1	CABINET (FRONT) SUB ASSY (IT)	
76	X-3367-450-1	CABINET (FRONT) SUB ASSY (AUS)	
*77	1-751-074-11	WIRE, PARALLEL (FFC)	
*78	A-3264-691-A	CD CONTROL(A)BOARD, COMPLETE (US,CND,E)	
*78	A-3264-693-A	CD CONTROL(A)BOARD, COMPLETE (AEP,AUS,IT)	
*79	1-649-063-11	CD, SW BOAD	
80	3-905-124-01	KNOB, BAND	
*81	A-3264-701-A	AUDIO MAIN BOARD, COMPLETE (US,CND,E)	
*81	A-3264-854-A	AUDIO MAIN BOARD, COMPLETE (AEP)	
*81	A-3264-859-A	AUDIO MAIN BOARD, COMPLETE (IT)	
*81	A-3264-917-A	AUDIO MAIN BOARD, COMPLETE (AUS)	
82	3-905-156-01	GEAR, TUNING CAPACITOR	
83	4-931-757-41	SCREW (DIA. 2.6X10) (IT3B)	
84	4-880-333-01	SCREW PTPWH 2.6X5	

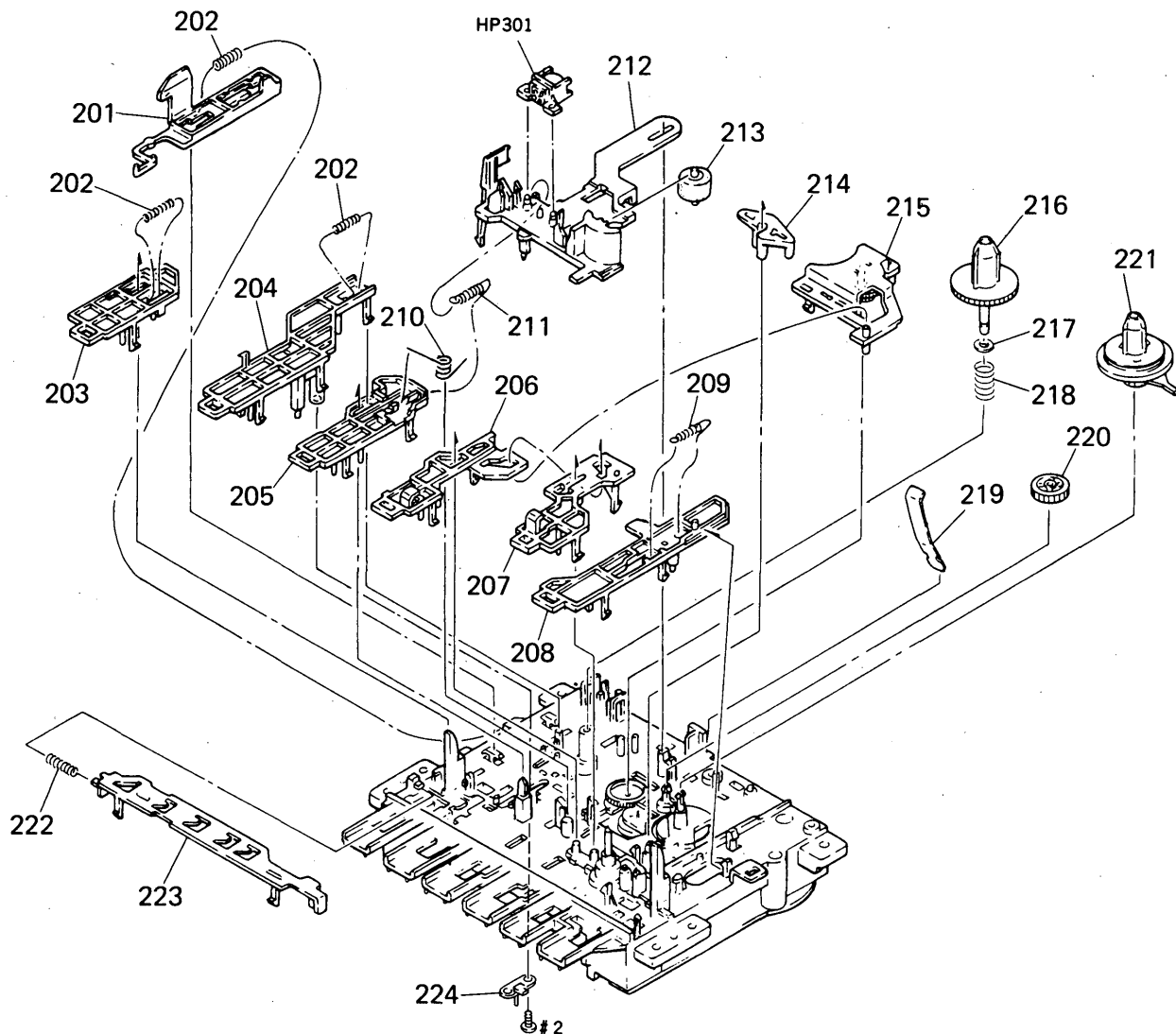
5-3. CD UNIT BLOCK SECTION



Ref.No.	Part No.	Description	Remark
101	X-3367-073-1	LID SUB ASSY, CD	
102	1-452-531-11	MAGNET	
103	3-704-435-01	PLATE (M), CHUCK	
104	3-905-172-01	SPRING, COIL	
105	3-905-174-01	SPRING, CD (UP)	
*106	3-905-109-01	CHASSIS, CD	
107	3-351-377-11	DAMPER	
108	4-928-936-01	COVER, CD	
109	4-922-858-11	DAMPER (BLUE)	

Ref.No.	Part No.	Description	Remark
110	4-922-858-01	DAMPER (PINK)	
111	4-931-373-01	SCREW, CD FITTING	
*112	1-649-061-11	CD MOTOR BOARD	
*113	A-3264-707-A	CD MAIN BOARD, COMPLETE (US,CND,E)	
*113	A-3264-708-A	CD MAIN BOARD, COMPLETE (AUS)	
*113	A-3264-855-A	CD MAIN BOARD, COMPLETE (AEP)	
*113	A-3264-860-A	CD MAIN BOARD, COMPLETE (IT)	
114	3-905-131-01	BUTTON, CD	
115	3-905-132-01	BUTTON, CD EJECT	

**5-4. MECHANISM BLOCK SECTION (1) (DECK A)
(MF-560-64)**



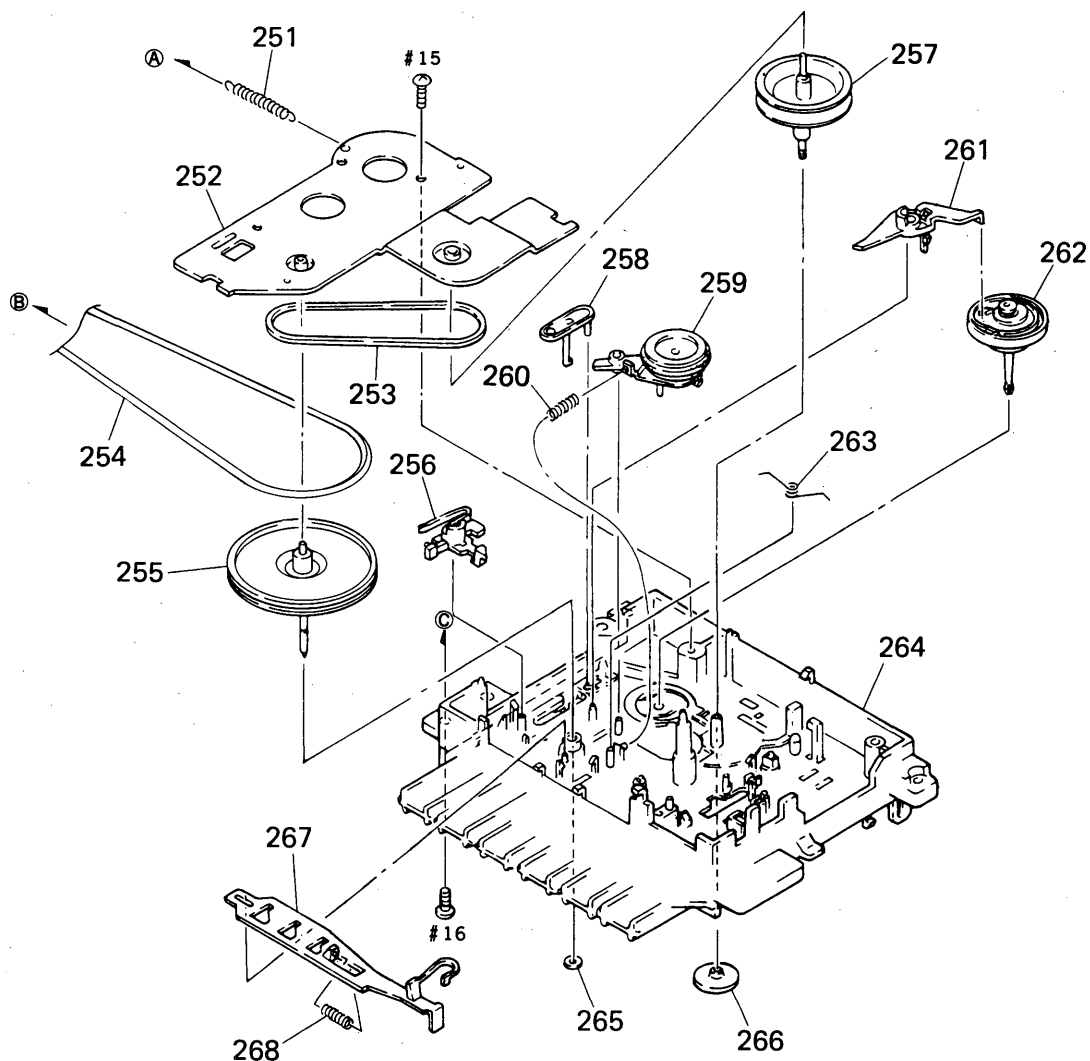
Ref.No	Part No.	Description	Remarks	Ref.No	Part No.	Description	Remarks
201	4-936-206-01	SLIDER (S), EJECT		214	4-928-982-01	LEVER (C)	
202	4-932-648-01	SPRING, COMPRESSION		215	X-4920-347-1	LEVER (S) ASSY, FR	
203	4-928-985-01	LEVER, STOP		216	4-928-978-01	GEAR (C), SUPPLY REEL	
204	4-921-195-01	LEVER (AC), REC		217	4-931-795-11	WASHER	
205	4-928-991-01	LEVER, PLAY		218	3-343-381-01	SPRING, COMPRESSION	
206	4-928-992-01	LEVER, REW		219	4-928-957-01	RETAINER, CASSETTE	
207	4-928-993-01	LEVER, FF		220	3-343-285-01	GEAR, FF	
208	4-928-994-01	LEVER, PAUSE		221	X-4920-350-3	GEAR (S) ASSY, T REEL	
209	3-313-372-21	SPRING, TENSION		222	4-932-656-01	SPRING, COMPRESSION	
210	4-928-973-01	SPRING		223	4-932-695-01	SLIDER (FR), LOCK	
211	4-928-972-01	SPRING, TENSION		224	4-928-976-01	LEVER, SW	
212	4-928-998-01	DECK (S), HEAD		HP301	1-543-628-13	HEAD, MAGNETIC (PB)	
213	4-928-962-01	PINCH ROLLER					

5-5. MECHANISM BLOCK SECTION (2) (DECK A) **(MF-560-64)**

Ⓐ: See page 38

Ⓑ: See page 38

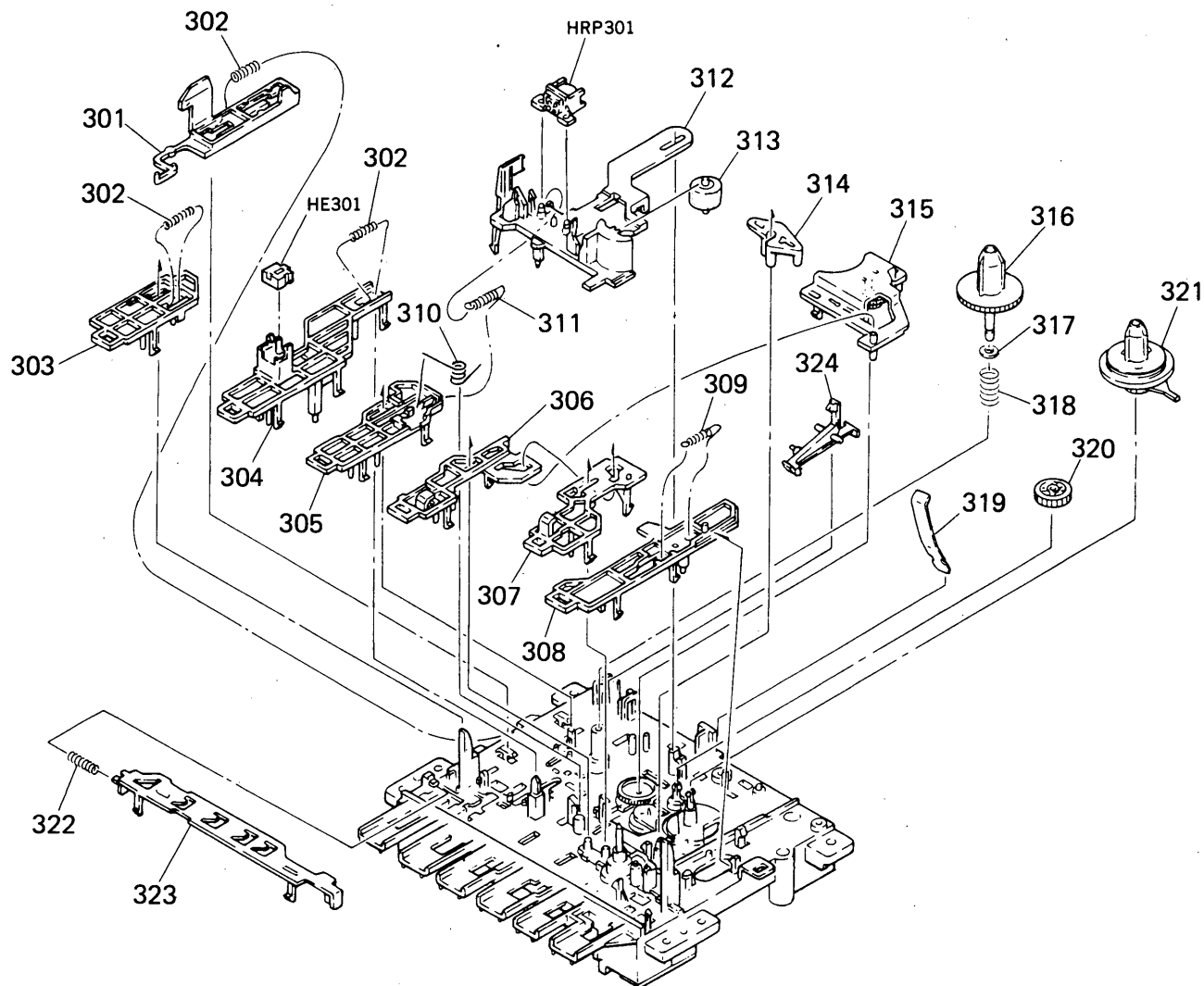
Ⓒ: See page 38



Ref.No	Part No.	Description	Remarks
251	3-322-527-01	SPRING, TENSION	
252	*X-4918-598-1	PLATE ASSY, GROUND	
253	4-928-974-01	BELT (MIDWAY)	
254	4-934-520-01	BELT	
255	X-4920-923-1	WHEEL (W) ASSY, CAPSTAN	
256	4-928-987-01	LEVER (T), SHUT-OFF	
257	X-4920-922-1	PULLEY (W) ASSY, FR	
258	4-928-961-03	PLATE, PAUSE LOCK	
259	X-4920-346-2	LEVER (S) ASSY, IDLER	

Ref.No	Part No.	Description	Remarks
260	3-905-168-01	SPRING, COMPRESSION	
261	4-928-986-01	LEVER (S), SHUT-OFF	
262	X-4918-582-1	PLATE ASSY, TAKE-UP REEL	
263	4-928-958-01	SPRING, FR RETURN	
264	A-3208-379-A	CHASSIS (S) ASSY, MECHANISM	
265	3-343-358-01	RING, RETAINING	
266	4-928-967-01	GEAR (C), MIDWAY	
267	4-928-996-01	LEVER, SW	
268	4-932-656-01	SPRING, COMPRESSION	

**5-6. MECHANISM BLOCK SECTION (3) (DECK B)
(MF-560-64)**



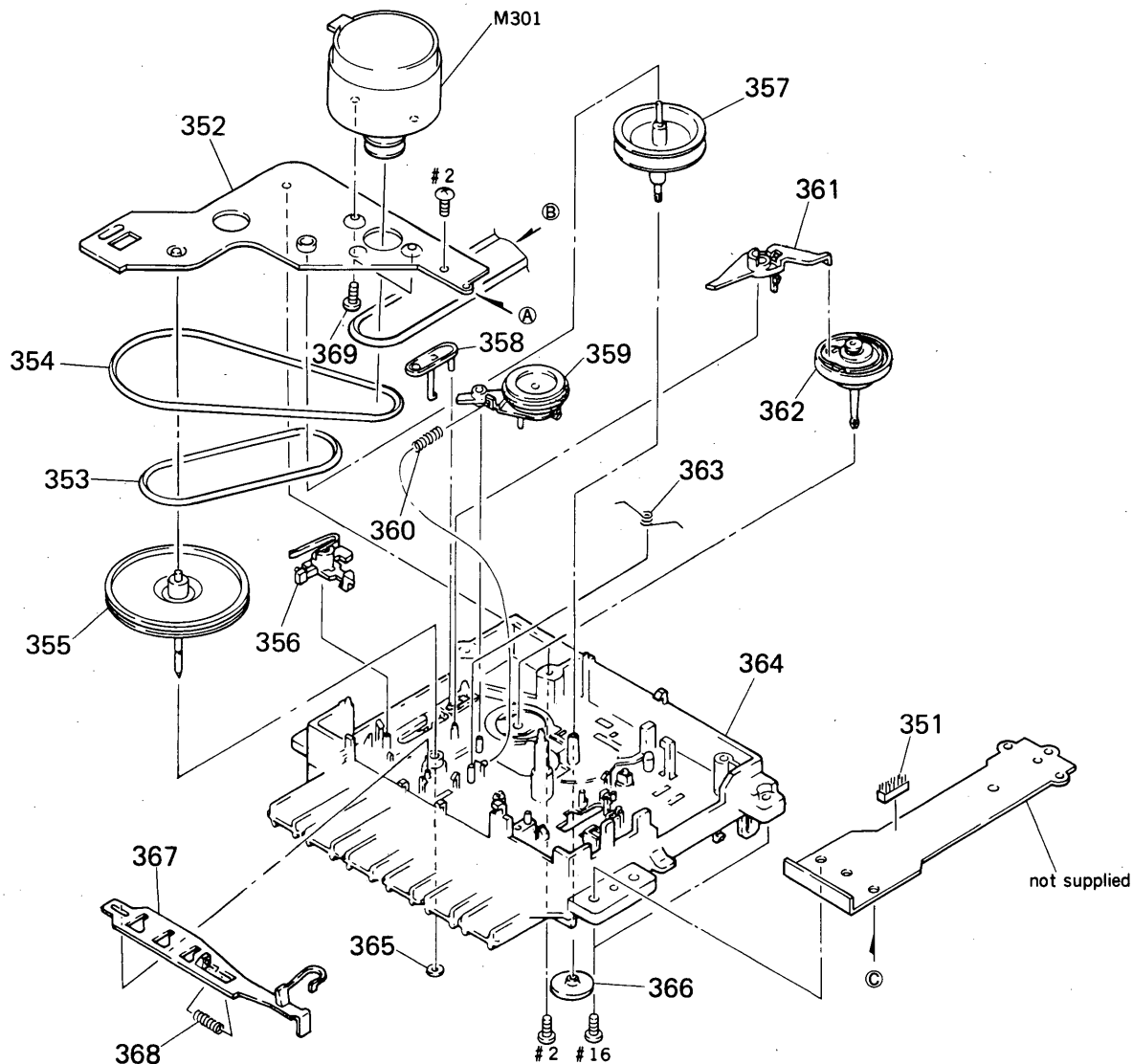
Ref.No	Part No.	Description	Remarks	Ref.No	Part No.	Description	Remarks
301	4-936-206-01	SLIDER (S), EJECT		314	4-928-982-01	LEVER (C)	
302	4-932-648-01	SPRING, COMPRESSION		315	X-4920-347-1	LEVER (S) ASSY, FR	
303	4-928-985-01	LEVER, STOP		316	4-928-978-01	GEAR (C), SUPPLY REEL	
304	4-934-511-11	LEVER (S), REC		317	4-931-795-11	WASHER	
305	4-928-991-01	LEVER, PLAY		318	3-343-381-01	SPRING, COMPRESSION	
306	4-928-992-01	LEVER, REW		319	4-928-957-01	RETAINER, CASSETTE	
307	4-928-993-01	LEVER, FF		320	3-343-285-01	GEAR, FF	
308	4-928-994-01	LEVER, PAUSE		321	X-4920-350-3	GEAR (S) ASSY, T REEL	
309	3-313-372-21	SPRING, TENSION		322	4-932-656-01	SPRING, COMPRESSION	
310	4-928-973-01	SPRING		323	4-932-695-01	SLIDER (FR), LOCK	
311	4-928-972-01	SPRING, TENSION		* 324	3-370-187-01	CLAW, ERASING PROTECTION	
312	4-928-998-01	DECK (S), HEAD		HE301	1-543-525-11	HEAD, MAGNETIC (ERASE)	
313	4-928-962-01	PINCH ROLLER		HRP301	1-543-628-13	HEAD, MAGNETIC (REC/PB)	

5-7. MECHANISM BLOCK SECTION (4) (DECK B) (MF-560-64)

Ⓐ: See page 36

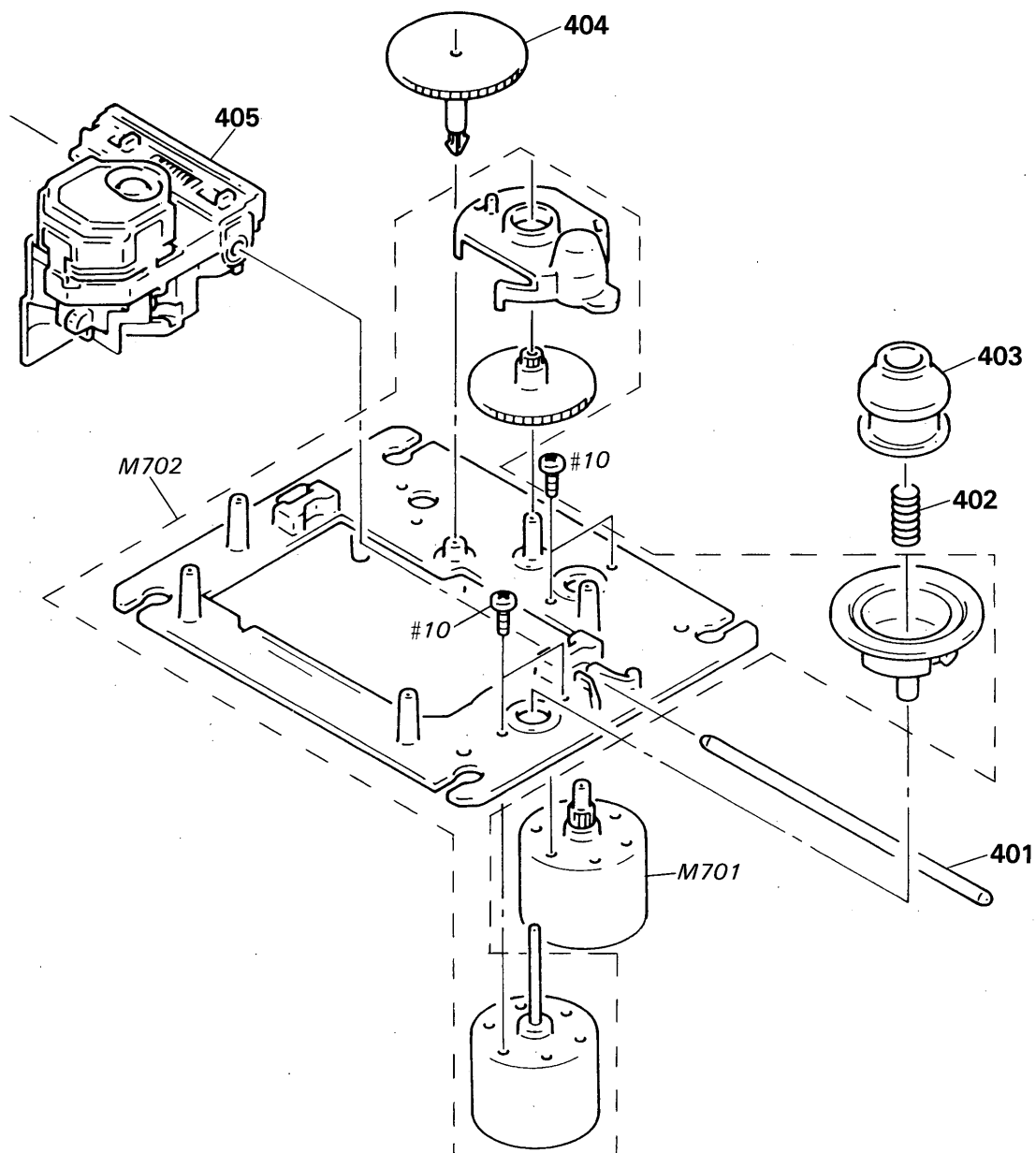
Ⓑ: See page 36

Ⓒ: See page 36



Ref.No	Part No.	Description	Remarks	Ref.No	Part No.	Description	Remarks
351	4-934-522-01	CUSHION		361	4-928-986-01	LEVER (S), SHUT-OFF	
352	X-4920-921-1	PLATE (W) ASSY, GROUND		362	X-4918-582-1	PLATE ASSY, TAKE-UP REEL	
353	4-928-974-01	BELT (MIDWAY)		363	4-928-958-01	SPRING, FR RETURN	
354	4-934-521-01	BELT		364	A-3208-379-A	CHASSIS (S) ASSY, MECHANISM	
355	X-4920-923-1	WHEEL (W) ASSY, CAPSTAN		365	3-343-358-01	RING, RETAINING	
356	4-928-987-01	LEVER (T), SHUT-OFF		366	4-928-967-01	GEAR (C), MIDWAY	
357	X-4920-922-1	PULLEY (W) ASSY, FR		367	4-928-996-01	LEVER, SW	
358	4-928-961-03	PLATE, PAUSE LOCK		368	4-932-656-01	SPRING, COMPRESSION	
359	X-4920-346-2	LEVER (S) ASSY, IDLER		369	3-343-251-01	SCREW (M2.6X2.5)	
360	3-905-168-01	SPRING, COMPRESSION		M301	X-4920-924-1	MOTOR ASSY	

**5-8. OPTICAL PICK-UP BLOCK SECTION
(KSM-2101BAN)**



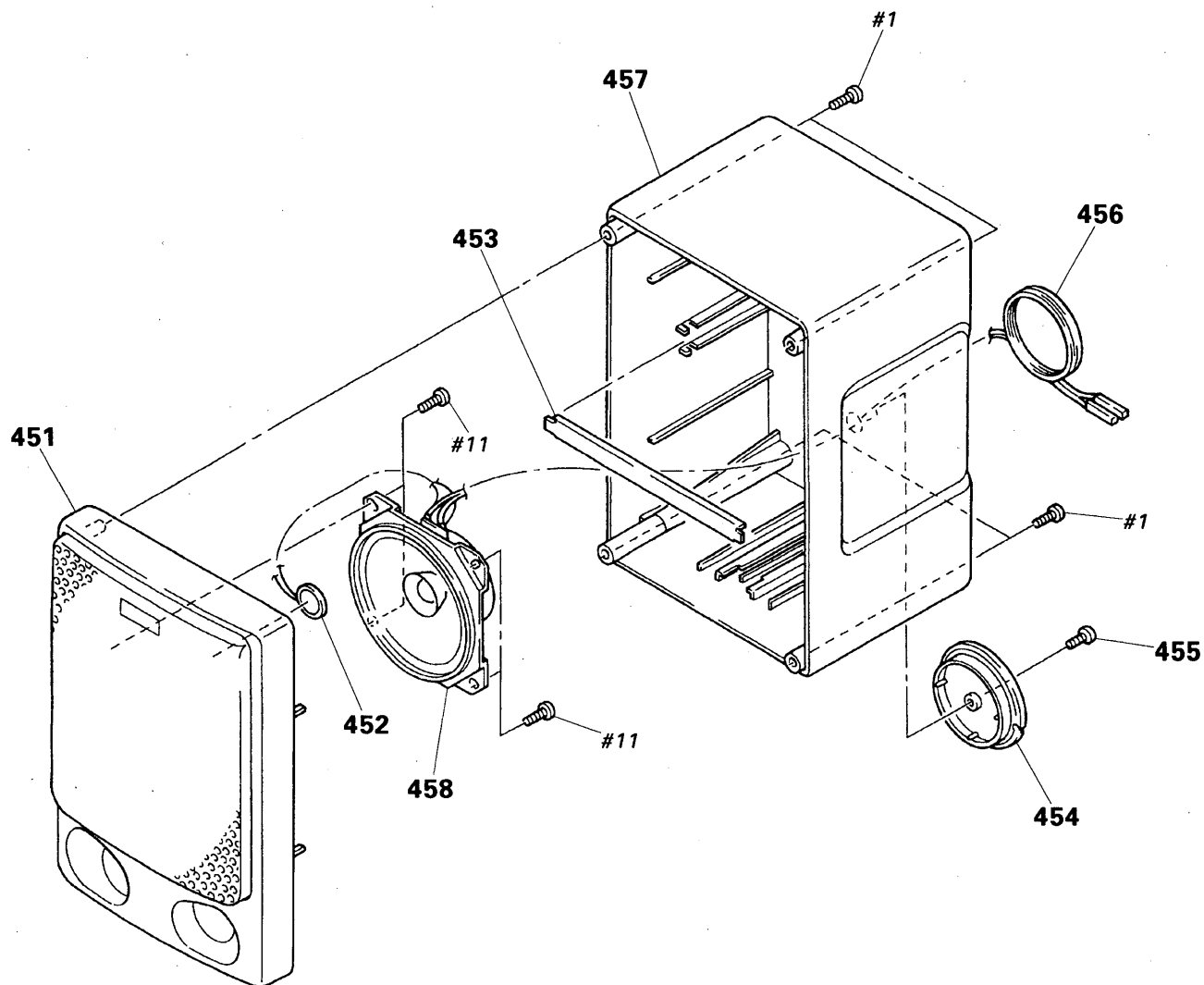
The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
401	4-917-565-01	SHAFT (K), SLED	
402	2-625-191-01	SPRING (K), COMPRESSION	
403	2-625-186-01	RING (C) (K), CENTER	
404	2-625-188-02	GEAR (A) (K)	

Ref. No.	Part No.	Description	Remark
 405	8-848-137-11	PICK-UP, OPTICAL KSS-210B	
M701	X-2625-132-1	MOTOR GEAR ASSY (MB) (SLED)	
M702	X-2625-133-2	MOTOR ASSY, SPINDLE (TT CHASSIS ASSY (MB))	

5-9. SPEAKER BLOCK SECTION



Ref.No.	Part No.	Description	Remark
451	X-3367-065-1	SPEAKER (R) (FRONT) SUB ASSY	
451	X-3367-066-1	SPEAKER (L) (FRONT) SUB ASSY	
452	1-529-058-11	BUZZER	
453	3-905-166-01	BRACKET (H), SPEAKER	
454	3-372-214-01	REEL, SPEAKER	

Ref.No.	Part No.	Description	Remark
455	3-325-679-71	SCREW, TAPPING +BV 3X12	
456	1-559-620-11	CORD (WITH CONNECTOR)	
457	3-905-113-01	CABINET (REAR) (L), SPEAKER	
457	3-905-114-01	CABINET (REAR) (R), SPEAKER	
458	1-504-330-11	SPEAKER (12CM)	

SECTION 6
ELECTRICAL PARTS LIST

AUDIO MAIN

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

● SEMICONDUCTORS

In each case, u : μ , for example:uA... : μ A..., uPA... : μ PA..., uPB... : μ PB...,uPC... : μ PC..., uPD... : μ PD...

● CAPACITORS

uF : μ F

● COILS

uH : μ H

● Abbreviations

AUS: Australian

CND: Canadian

IT: Italian

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref.No.	Part No.	Description	Remark
*	A-3264-701-A	AUDIO MAIN BOARD, COMPLETE	(US, CND, E)
*	A-3264-854-A	AUDIO MAIN BOARD, COMPLETE	(AEP)
*	A-3264-859-A	AUDIO MAIN BOARD, COMPLETE	(IT)
*	A-3264-917-A	AUDIO MAIN BOARD, COMPLETE	(AUS)

< CAPACITOR >			
C1	1-102-960-00	CERAMIC 24PF 5% 50V	
C2	1-102-960-00	CERAMIC 24PF 5% 50V	(US, CND, E, AUS)
C2	1-162-209-31	CERAMIC 27PF 5% 50V	(AEP, IT)
C3	1-162-191-31	CERAMIC 2.2PF 10% 50V	(US, CND, E, AUS)
C3	1-162-192-31	CERAMIC 2.7PF 10% 50V	(AEP, IT)
C4	1-162-196-31	CERAMIC 5.6PF 10% 50V	(US, CND, E)
C4	1-162-199-31	CERAMIC 10PF 5% 50V	(IT)
C4	1-162-198-31	CERAMIC 8.2PF 10% 50V	(AEP, AUS)
C5	1-124-034-51	ELECT 33uF 20% 16V	
C6	1-161-051-00	CERAMIC 0.01uF 10% 50V	
C7	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C8	1-162-194-31	CERAMIC 3.9PF 10% 50V	(AEP, IT)
C10	1-124-477-11	ELECT 47uF 20% 25V	
C11	1-124-925-11	ELECT 2.2uF 20% 100V	
C12	1-124-477-11	ELECT 47uF 20% 25V	
C13	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C14	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C15	1-124-903-11	ELECT 1uF 20% 50V	
C16	1-124-927-11	ELECT 4.7uF 20% 100V	
C17	1-161-053-00	CERAMIC 0.015uF 10% 50V	
C18	1-161-053-00	CERAMIC 0.015uF 10% 50V	
C19	1-124-903-11	ELECT 1uF 20% 50V	
C20	1-124-902-00	ELECT 0.47uF 20% 50V	
C21	1-124-927-11	ELECT 4.7uF 20% 100V	
C22	1-124-443-00	ELECT 100uF 20% 10V	
C23	1-124-902-00	ELECT 0.47uF 20% 50V	
C24	1-124-902-00	ELECT 0.47uF 20% 50V	
C26	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C27	1-161-772-11	CERAMIC 0.1uF 10% 25V	
C51	1-162-282-31	CERAMIC 100PF 10% 50V	
C52	1-162-282-31	CERAMIC 100PF 10% 50V	
C80	1-162-187-31	CERAMIC 1PF 20% 50V	

Ref.No.	Part No.	Description	Remark
C100	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C101	1-162-291-31	CERAMIC 560PF 10% 50V	
C102	1-162-291-31	CERAMIC 560PF 10% 50V	
C103	1-162-286-31	CERAMIC 220PF 10% 50V	
C104	1-162-286-31	CERAMIC 220PF 10% 50V	
C105	1-130-486-00	MYLAR 0.018uF 10% 50V	
C106	1-124-126-00	ELECT 47uF 20% 10V	
C107	1-124-903-11	ELECT 1uF 20% 50V	
C108	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C109	1-124-126-00	ELECT 47uF 20% 10V	
C110	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C111	1-124-903-11	ELECT 1uF 20% 50V	
C112	1-124-903-11	ELECT 1uF 20% 50V	
C113	1-161-374-11	CERAMIC 0.0015uF 20% 50V	
C114	1-162-288-31	CERAMIC 330PF 10% 50V	
C115	1-162-286-31	CERAMIC 220PF 10% 50V	
C118	1-124-927-11	ELECT 4.7uF 20% 100V	
C119	1-124-903-11	ELECT 1uF 20% 50V	
C120	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C121	1-124-927-11	ELECT 4.7uF 20% 100V	
C122	1-124-927-11	ELECT 4.7uF 20% 100V	
C123	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C124	1-126-176-11	ELECT 220uF 20% 10V	
C125	1-126-101-11	ELECT 100uF 20% 16V	
C126	1-124-360-00	ELECT 1000uF 20% 16V	
C127	1-136-169-00	FILM 0.22uF 5% 50V	
C128	1-162-282-31	CEARMIC 100PF 10% 50V	
C129	1-162-282-31	CEARMIC 100PF 10% 50V	
C200	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C201	1-162-291-31	CERAMIC 560PF 10% 50V	
C202	1-162-291-31	CERAMIC 560PF 10% 50V	
C203	1-162-286-31	CERAMIC 220PF 10% 50V	
C204	1-162-286-31	CERAMIC 220PF 10% 50V	
C205	1-130-486-00	MYLAR 0.018uF 10% 50V	
C206	1-124-126-00	ELECT 47uF 20% 10V	
C207	1-124-903-11	ELECT 1uF 20% 50V	

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SEE ADDITIONAL
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Ref.No.	Part No.	Description	Remark
C208	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C209	1-124-126-00	ELECT 47uF 20% 10V	
C210	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C211	1-124-903-11	ELECT 1uF 20% 50V	
C212	1-124-903-11	ELECT 1uF 20% 50V	
C213	1-161-374-11	CERAMIC 0.0015uF 20% 50V	
C214	1-162-288-31	CERAMIC 330PF 10% 50V	
C215	1-162-286-31	CERAMIC 220PF 10% 50V	
C218	1-124-927-11	ELECT 4.7uF 20% 100V	
C219	1-124-903-11	ELECT 1uF 20% 50V	
C220	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C221	1-124-927-11	ELECT 4.7uF 20% 100V	
C222	1-124-927-11	ELECT 4.7uF 20% 100V	
C223	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C224	1-126-176-11	ELECT 220uF 20% 10V	
C225	1-126-101-11	ELECT 100uF 20% 16V	
C226	1-124-360-00	ELECT 1000uF 20% 16V	
C227	1-136-169-00	FILM 0.22uF 5% 50V	
C228	1-162-282-31	CERAMIC 100PF 10% 50V	
C229	1-162-282-31	CERAMIC 100PF 10% 50V	
C301	1-124-126-00	ELECT 47uF 20% 10V	
C302	1-124-443-00	ELECT 100uF 20% 10V	
C303	1-124-443-00	ELECT 100uF 20% 10V	
C304	1-126-101-11	ELECT 100uF 20% 16V	
C305	1-124-925-11	ELECT 2.2uF 20% 100V	
C306	1-124-443-00	ELECT 100uF 20% 10V	
C307	1-124-034-51	ELECT 33uF 20% 16V	
C308	1-124-916-11	ELECT 22uF 20% 63V	
C309	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C310	1-162-282-31	CERAMIC 100PF 10% 50V	
C311	1-130-467-00	MYLAR 470PF 5% 50V	
C312	1-130-476-00	MYLAR 0.0027uF 5% 50V	
C313	1-130-473-00	MYLAR 0.0015uF 5% 50V	
C314	1-130-479-00	MYLAR 0.0047uF 5% 50V	
C315	1-130-472-00	MYLAR 0.0012uF 5% 50V	
C316	1-124-477-11	ELECT 47uF 20% 25V	
C317	1-130-483-00	MYLAR 0.01uF 5% 50V	
C318	1-130-481-00	MYLAR 0.0068uF 5% 50V	
C319	1-124-916-11	ELECT 22uF 20% 63V	
C321	1-124-477-11	ELECT 47uF 20% 25V	
C323	1-124-927-11	ELECT 4.7uF 20% 100V	
C324	1-124-903-11	ELECT 1uF 20% 50V	
C325	1-124-903-11	ELECT 1uF 20% 50V	
C326	1-162-282-31	CERAMIC 100PF 10% 50V	
C327	1-124-477-11	ELECT 47uF 20% 25V	
C328	1-162-282-31	CERAMIC 100PF 10% 50V	
C329	1-124-477-11	ELECT 47uF 20% 25V	
C330	1-124-927-11	ELECT 4.7uF 20% 100V (US, CND, E, AUS)	
C332	1-124-927-11	ELECT 4.7uF 20% 100V	

Ref.No.	Part No.	Description	Remark
C333	1-124-925-11	ELECT 2.2uF 20% 100V	
C334	1-124-907-11	ELECT 10uF 20% 50V	
C335	1-126-101-11	ELECT 100uF 20% 16V	
C336	1-124-477-11	ELECT 47uF 20% 25V	
C337	1-124-120-11	ELECT 220uF 20% 25V	
C339	1-124-480-11	ELECT 470uF 20% 25V	
C340	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C342	1-124-120-11	ELECT 220uF 20% 25V	
C343	1-124-120-11	ELECT 220uF 20% 25V	
C344	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C345	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C346	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C347	1-136-173-00	FILM 0.47uF 5% 50V	
C348	1-124-120-11	ELECT 220uF 20% 25V	
C349	1-126-101-11	ELECT 100uF 20% 16V	
C350	1-126-101-11	ELECT 100uF 20% 16V	
C351	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C352	1-126-101-11	ELECT 100uF 20% 16V	
C353	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C354	1-124-907-11	ELECT 10uF 20% 50V	
C356	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C357	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C358	1-162-282-31	CERAMIC 100PF 10% 50V	
< FILTER >			
CF1	1-577-599-81	FILTER, CERAMIC	
CF2			
CF3			
< CONNECTOR >			
*CN301	1-566-824-11	PIN, CONNECTOR (PC BOARD) 3P	
*CN302	1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P	
*CN303	1-506-987-11	PIN, CONNECTOR (PC BOARD) 5P	
*CN304	1-506-990-11	PIN, CONNECTOR (PC BOARD) 8P	
*CN305	1-563-594-11	CONNECTOR, FLEXIBLE 17P	
*CN306	1-564-779-11	PLUG, CONNECTOR (2.5MM) 6P	
*CN307	1-566-973-11	PIN, CONNECTOR (PC BOARD) 8P	
< CONPOSITION CIRCUIT BLOCK >			
CP1	1-239-249-11	ENCAPSULATED COMPONENT	(US, CND, E, AU
CP1	1-236-047-11	ENCAPSULATED COMPONENT	(AEP, I
< VARIABLE CAPACITOR >			
CV1	1-151-624-11	CAP, VARIABLE	
< DIODE >			
D1	8-719-911-19	DIODE 1SS119	
D2	8-719-911-19	DIODE 1SS119	

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Ref.No.	Part No.	Description	Remark
D3	8-719-948-75	DIODE SLR-34VRF42	
D101	8-719-911-19	DIODE 1SS119	
D201	8-719-911-19	DIODE 1SS119	
D301	8-719-109-93	DIODE RD6.2ESB2	
D302	8-719-911-19	DIODE 1SS119	
D303	8-719-911-19	DIODE 1SS119	
D304	8-719-110-08	DIODE RD8.2ESB2	
D306	8-719-911-19	DIODE 1SS119	
D307	8-719-911-19	DIODE 1SS119	
< FILTER >			
FL1	1-236-022-11	FILTER, BAND PASS	
< IC >			
IC1	8-752-050-20	IC CXA1238S	
IC301	8-759-143-54	IC μ PC1330HA	
IC302	8-759-096-55	IC KIA6289N	
IC303	1-807-547-11	IC MC4558-C	
IC304	8-752-055-84	IC CXA1352AS	
IC305	8-759-820-22	IC LA4597	
IC306	8-759-068-07	IC CD4052BCN	
IC307	8-759-996-77	IC BA3924	
IC308	8-759-971-11	IC PST529D	
IC309	8-759-912-55	IC S-81250HG	
< JACK >			
J301	1-750-184-11	JACK, (MIX MIC)	
J302	1-568-267-11	JACK (PHONES)	
< COIL >			
L1	1-428-777-11	COIL, AIR-CORE	
*L2	1-422-354-11	COIL, AIR-CORE	(US, CND, E, AUS)
L2	1-459-904-11	COIL (WITH CORE)	(AEP, IT)
L3	1-402-435-11	ANTENNA, FERRITE-ROD (MW)	
L4	1-408-417-00	INDUCTOR 47 μ H	
L101	1-410-776-11	INDUCTOR 12mH	
L201	1-410-776-11	INDUCTOR 12mH	
L301	1-410-686-11	INDUCTOR 1mH	
L302	1-410-521-11	INDUCTOR 100 μ H	
L303	1-410-509-11	INDUCTOR 10 μ H	
< TRANSISTOR >			
Q101	8-729-806-30	TRANSISTOR 2SC4048	
Q102	8-729-806-30	TRANSISTOR 2SC4048	
Q201	8-729-806-30	TRANSISTOR 2SC4048	
Q202	8-729-806-30	TRANSISTOR 2SC4048	
Q301	1-807-545-11	TRANSISTOR KSC1008-Y	
Q302	8-729-801-84	TRANSISTOR 2SB1013-4	

Ref.No.	Part No.	Description	Remark
Q303	8-729-806-30	TRANSISTOR 2SC4048	
Q304	8-729-806-30	TRANSISTOR 2SC4048	
Q305	8-729-806-30	TRANSISTOR 2SC4048	
Q306	8-729-902-80	TRANSISTOR DTA114YS	
Q307	8-729-806-30	TRANSISTOR 2SC4048	
Q308	8-729-209-15	TRANSISTOR 2SD2012	
Q309	8-729-924-90	TRANSISTOR 2SB1370-EF	
Q310	8-729-806-30	TRANSISTOR 2SC4048	
Q311	8-729-902-80	TRANSISTOR DTA114YS	
Q312	8-729-902-80	TRANSISTOR DTA114YS	
Q313	8-729-902-80	TRANSISTOR DTA114YS	
Q314	8-729-806-30	TRANSISTOR 2SC4048	
Q315	8-729-806-30	TRANSISTOR 2SC4048	
Q316	8-729-806-30	TRANSISTOR 2SC4048	
Q317	8-729-902-80	TRANSISTOR DTA114YS	
Q318	8-729-902-80	TRANSISTOR DTA114YS	
< RESISTOR >			
R1	1-249-441-11	CARBON 100K 5% 1/4W	
R2	1-249-421-11	CARBON 2.2K 5% 1/4W	
R4	1-249-407-11	CARBON 150 5% 1/4W	
R5	1-249-401-11	CARBON 47 5% 1/4W	
R6	1-249-427-11	CARBON 6.8K 5% 1/4W	
R7	1-249-427-11	CARBON 6.8K 5% 1/4W	
R8	1-247-887-00	CARBON 220K 5% 1/4W	
R9	1-247-887-00	CARBON 220K 5% 1/4W	
R10	1-249-421-11	CARBON 2.2K 5% 1/4W	
R11	1-249-429-11	CARBON 10K 5% 1/4W	
R12	1-249-409-11	CARBON 220 5% 1/4W	
R14	1-249-426-11	CARBON 5.6K 5% 1/4W	
R16	1-249-423-11	CARBON 3.3K 5% 1/4W	(US, CND, E, AUS)
R17	1-249-402-11	CARBON 56 5% 1/4W	
R23	1-249-429-11	CARBON 10K 5% 1/4W	(AEP, IT)
R101	1-249-417-11	CARBON 1K 5% 1/4W	
R102	1-249-417-11	CARBON 1K 5% 1/4W	
R103	1-249-405-11	CARBON 100 5% 1/4W	
R104	1-247-885-00	CARBON 180K 5% 1/4W	
R105	1-249-427-11	CARBON 6.8K 5% 1/4W	
R106	1-249-427-11	CARBON 6.8K 5% 1/4W	
R107	1-247-885-00	CARBON 180K 5% 1/4W	
R108	1-247-890-11	CARBON 300K 5% 1/4W	
R109	1-249-407-11	CARBON 150 5% 1/4W	
R110	1-249-438-11	CARBON 56K 5% 1/4W	
R111	1-249-429-11	CARBON 10K 5% 1/4W	
R112	1-249-421-11	CARBON 2.2K 5% 1/4W	
R113	1-249-428-11	CARBON 8.2K 5% 1/4W	
R115	1-249-441-11	CARBON 100K 5% 1/4W	

AUDIO MAIN

SEE ADDITIONAL
INFORMATION

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R116	1-249-418-11	CARBON 1.2K 5% 1/4W		R311	1-249-425-11	CARBON 4.7K 5% 1/4W	
R117	1-249-430-11	CARBON 12K 5% 1/4W		R312	1-249-423-11	CARBON 3.3K 5% 1/4W	
R118	1-249-423-11	CARBON 3.3K 5% 1/4W		R313	1-249-401-11	CARBON 47 5% 1/4W	
R119	1-249-421-11	CARBON 2.2K 5% 1/4W		R314	1-249-429-11	CARBON 10K 5% 1/4W	
R120	1-249-432-11	CARBON 18K 5% 1/4W		R315	1-249-437-11	CARBON 47K 5% 1/4W	
R121	1-249-430-11	CARBON 12K 5% 1/4W		R316	1-249-418-11	CARBON 1.2K 5% 1/4W	
R122	1-249-439-11	CARBON 68K 5% 1/4W		R317	1-249-393-11	CARBON 10 5% 1/4W	
R123	1-249-429-11	CARBON 10K 5% 1/4W		R319	1-249-423-11	CARBON 3.3K 5% 1/4W	
R126	1-249-432-11	CARBON 18K 5% 1/4W		R320	1-249-437-11	CARBON 47K 5% 1/4W	
R127	1-249-422-11	CARBON 2.7K 5% 1/4W		R321	1-249-425-11	CARBON 4.7K 5% 1/4W	
R130	1-249-437-11	CARBON 47K 5% 1/4W		R322	1-249-405-11	CARBON 100 5% 1/4W	
R131	1-249-425-11	CARBON 4.7K 5% 1/4W		R324	1-249-425-11	CARBON 4.7K 5% 1/4W	
R132	1-249-406-11	CARBON 120 5% 1/4W		R325	1-249-425-11	CARBON 4.7K 5% 1/4W	
R201	1-249-417-11	CARBON 1K 5% 1/4W		R326	1-249-419-11	CARBON 1.5K 5% 1/4W	
R202	1-249-417-11	CARBON 1K 5% 1/4W		R327	1-249-439-11	CARBON 68K 5% 1/4W	
R203	1-249-405-11	CARBON 100 5% 1/4W		R328	1-249-437-11	CARBON 47K 5% 1/4W	
R204	1-247-885-00	CARBON 180K 5% 1/4W		R329	1-249-441-11	CARBON 100K 5% 1/4W	
R205	1-249-427-11	CARBON 6.8K 5% 1/4W		R330	1-249-429-11	CARBON 10K 5% 1/4W	
R206	1-249-427-11	CARBON 6.8K 5% 1/4W		R331	1-249-429-11	CARBON 10K 5% 1/4W	
R207	1-247-885-00	CARBON 180K 5% 1/4W		R332	1-249-405-11	CARBON 100 5% 1/4W	
R208	1-247-890-11	CARBON 300K 5% 1/4W		R335	1-249-417-11	CARBON 1K 5% 1/4W	
R209	1-249-407-11	CARBON 150 5% 1/4W		R336	1-247-884-11	CARBON 160K 5% 1/4W	
R210	1-249-438-11	CARBON 56K 5% 1/4W		R337	1-249-405-11	CARBON 100 5% 1/4W	
R211	1-249-429-11	CARBON 10K 5% 1/4W		R338	1-249-418-11	CARBON 1.2K 5% 1/4W	
R212	1-249-421-11	CARBON 2.2K 5% 1/4W		R340	1-249-437-11	CARBON 47K 5% 1/4W	
R213	1-249-428-11	CARBON 8.2K 5% 1/4W		△ R341	1-219-149-11	FUSIBLE 1 5% 1/4W F	
R215	1-249-441-11	CARBON 100K 5% 1/4W		R342	1-249-413-11	CARBON 470 5% 1/4W	
R216	1-249-418-11	CARBON 1.2K 5% 1/4W		R343	1-249-418-11	CARBON 1.2K 5% 1/4W	
R217	1-249-430-11	CARBON 12K 5% 1/4W		R344	1-249-425-11	CARBON 4.7K 5% 1/4W	
R218	1-249-423-11	CARBON 3.3K 5% 1/4W		△ R347	1-219-149-11	FUSIBLE 1 5% 1/4W F	
R219	1-249-421-11	CARBON 2.2K 5% 1/4W		△ R348	1-219-149-11	FUSIBLE 1 5% 1/4W F	
R220	1-249-432-11	CARBON 18K 5% 1/4W		R349	1-249-429-11	CARBON 10K 5% 1/4W	
R221	1-249-430-11	CARBON 12K 5% 1/4W		R350	1-249-437-11	CARBON 47K 5% 1/4W	
R222	1-249-439-11	CARBON 68K 5% 1/4W		R353	1-249-425-11	CARBON 4.7K 5% 1/4W	
R223	1-249-429-11	CARBON 10K 5% 1/4W		< VARIABLE RESISTOR >			
R226	1-249-432-11	CARBON 18K 5% 1/4W		RV1	1-238-017-11	RES, ADJ, CARBON 22K (US, CND, E, AUS)	
R227	1-249-422-11	CARBON 2.7K 5% 1/4W		RV1	1-238-013-11	RES, ADJ, CARBON 2.2K (AEP, IT)	
R230	1-249-437-11	CARBON 47K 5% 1/4W		< SWITCH >			
R231	1-249-425-11	CARBON 4.7K 5% 1/4W		S1	1-692-252-11	SWITCH, LEVER SLIDE (BAND)	
R232	1-249-406-11	CARBON 120 5% 1/4W		S301	1-571-307-11	SWITCH, SLIDE (ISS)	
R301	1-249-429-11	CARBON 10K 5% 1/4W		S302	1-571-307-11	SWITCH, SLIDE (FM MODE) (AEP, IT)	
R302	1-249-405-11	CARBON 100 5% 1/4W		< TRANSFORMER >			
R303	1-249-423-11	CARBON 3.3K 5% 1/4W		T1	1-406-040-00	COIL (OSC)	
R304	1-247-903-00	CARBON 1M 5% 1/4W		T301	1-433-372-11	TRANSFORMER, BIAS OSCILLATION	
R305	1-249-401-11	CARBON 47 5% 1/4W		*****			
R306	1-249-425-11	CARBON 4.7K 5% 1/4W					
R307	1-249-417-11	CARBON 1K 5% 1/4W					
R308	1-249-423-11	CARBON 3.3K 5% 1/4W					
R310	1-249-433-11	CARBON 22K 5% 1/4W					

The components identified by
mark △ or dotted line with mark
△ are critical for safety.
Replace only with part number
specified.

Les composants identifiés par une
marque △ sont critiques pour
la sécurité.
Ne les remplacer que par une pièce
portant le numéro spécifié.

BATTERY

CD CONTROL

Ref.No.	Part No.	Description	Remark
*	1-649-051-11	BATTERY BOARD *****	
	3-379-748-01	SPRING (-)	
		< CONNECTOR >	
CN903	1-569-614-11	PLUG, CONNECTOR (2.5MM) 2P *****	
*	A-3264-691-A	CD CONTROL BOARD, COMPLETE (US, CND, E)	
*	A-3264-693-A	CD CONTROL BOARD, COMPLETE (AEP, AUS, IT) *****	
*	1-751-074-11	WIRE, PARALLEL (FFC)	
	3-905-178-01	HOLDER, LCD	
		< CAPACITOR >	
C801	1-124-477-11	ELECT 47uF 20% 25V	
C802	1-164-232-11	CERAMIC CHIP 0.01uF 50V	
C803	1-163-113-00	CERAMIC CHIP 68PF 5% 50V	
C804	1-163-113-00	CERAMIC CHIP 68PF 5% 50V	
C805	1-164-232-11	CERAMIC CHIP 0.01uF 50V	
C806	1-124-907-11	ELECT 10uF 20% 50V	
C807	1-164-695-11	CERAMIC CHIP 0.0022uF 5% 50V	
C808	1-164-695-11	CERAMIC CHIP 0.0022uF 5% 50V	
C810	1-124-034-51	ELECT 33uF 20% 16V	
C811	1-163-110-00	CERAMIC CHIP 51PF 5% 50V	
C812	1-164-232-11	CERAMIC CHIP 0.01uF 50V	
C813	1-163-110-00	CERAMIC CHIP 51PF 5% 50V	
C814	1-164-232-11	CERAMIC CHIP 0.01uF 50V	
C815	1-164-232-11	CERAMIC CHIP 0.01uF 50V	
C816	1-164-232-11	CERAMIC CHIP 0.01uF 50V	
C817	1-124-907-11	ELECT 10uF 20% 50V	
C818	1-124-907-11	ELECT 10uF 20% 50V	
		< CONNECTOR >	
*CN801	1-568-451-11	HOUSING, CONNECTOR(PC BOARD)10P	
*CN802	1-568-451-11	HOUSING, CONNECTOR(PC BOARD)10P	
*CN803	1-563-594-11	CONNECTOR, FLEXIBLE 17P	
*CN804	1-564-013-11	PIN, CONNECTOR 3P	
*CN806	1-561-650-00	SOCKET, CONNECTOR 5P	
		< DIODE >	
D801	8-719-404-46	DIODE MA110	
D802	8-719-404-46	DIODE MA110	
D803	8-719-404-46	DIODE MA110	
D804	8-719-404-46	DIODE MA110	
D805	8-719-043-16	LED SLR-34MG70F107 (CD)	
D806	8-719-043-16	LFD SLR-34MG70F107 (RADIO)	
D807	8-719-043-16	LED SLR-34MG70F107 (TAPE)	

Ref.No.	Part No.	Description	Remark
D809	8-719-938-69	LED GL3PR8 (OPR/BATT)	
D813	8-719-404-46	DIODE MA110	
D814	8-719-043-15	LED SLR-34VR70F107 (TAPE DUBBING)	
		< IC >	
IC801	8-752-844-88	IC CXP5086-665Q	
IC802	8-759-179-74	IC M62354P	
IC803	8-741-100-47	IC SBX1610-09	
IC804	8-759-076-13	IC KIA7027P/F-TP	
		< COIL >	
L801	1-410-737-31	INDUCTOR CHIP 0uH	
L802	1-410-737-31	INDUCTOR CHIP 0uH	
		< LIQUID CRYSTAL DISPLAY >	
LCD801	1-810-104-11	DISPLAY PANEL, LIQUID CRYSTAL (US, CND)	
LCD801	1-810-203-11	DISPLAY PANEL, LIQUID CRYSTAL (EXCEPT US, CND)	
		< TRANSISTOR >	
Q801	8-729-601-57	TRANSISTOR 2SC3053-B	
Q802	8-729-805-94	TRANSISTOR 2SC4047	
Q803	8-729-805-94	TRANSISTOR 2SC4047	
Q804	8-729-805-94	TRANSISTOR 2SC4047	
Q805	8-729-805-94	TRANSISTOR 2SC4047	
Q806	8-729-805-62	TRANSISTOR 2SA1502	
Q807	8-729-601-57	TRANSISTOR 2SC3053-B	
		< RESISTOR >	
R801	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R802	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R803	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R804	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R806	1-216-040-00	METAL GLAZE 430 5% 1/10W	
R807	1-216-040-00	METAL GLAZE 430 5% 1/10W	
R810	1-216-040-00	METAL GLAZE 430 5% 1/10W	
R811	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R814	1-216-025-00	METAL CHIP 100 5% 1/10W	
R819	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R823	1-216-035-00	METAL CHIP 270 5% 1/10W	
R824	1-216-025-00	METAL CHIP 100 5% 1/10W	
R825	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R826	1-216-025-00	METAL CHIP 100 5% 1/10W	
R827	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R828	1-216-025-00	METAL CHIP 100 5% 1/10W	
R829	1-216-025-00	METAL CHIP 100 5% 1/10W	
R830	1-216-025-00	METAL CHIP 100 5% 1/10W	
R831	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R832	1-216-025-00	METAL CHIP 100 5% 1/10W	

CD CONTROL

CD MAIN

Ref.No.	Part No.	Description	Remark
R833	1-216-025-00	METAL CHIP 100 5% 1/10W	
R834	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R835	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R836	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R837	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R839	1-216-035-00	METAL CHIP 270K 5% 1/10W	
R841	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R842	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R843	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R844	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R845	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R846	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R847	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R848	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R853	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R854	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R855	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R856	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R857	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R858	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R859	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R860	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R861	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R863	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R864	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R865	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R866	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R867	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R868	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R869	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R870	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R871	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R872	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R873	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R874	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R875	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R876	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R877	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R878	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R879	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R880	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R881	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R882	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R883	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R884	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R885	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R886	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R887	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R888	1-216-049-00	METAL CHIP 1K 5% 1/10W	

Ref.No.	Part No.	Description	Remark
R889	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R890	1-216-049-00	METAL CHIP 1K 5% 1/10W	
< SWITCH >			
S805	1-572-199-11	SWITCH, KEY BOARD (RADIO)	
S806	1-572-199-11	SWITCH, KEY BOARD (PLAY MODE)	
S807	1-572-199-11	SWITCH, KEY BOARD (DISPLAY/ENTER)	
S808	1-572-199-11	SWITCH, KEY BOARD (TAPE DUBBING)	
S809	1-572-199-11	SWITCH, KEY BOARD (TAPE)	
S812	1-572-199-11	SWITCH, KEY BOARD (CD)	
S813	1-572-199-11	SWITCH, KEY BOARD (POWER)	
< VIBRATOR >			
X801	1-567-094-00	VIBRATOR, CERAMIC (3.85MHz)	

*	A-3264-707-A	CD MAIN BOARD, COMPLETE (US, CND, E)	
*	A-3264-708-A	CD MAIN BOARD, COMPLETE (AUS)	
*	A-3264-855-A	CD MAIN BOARD, COMPLETE (AEP)	
*	A-3264-860-A	CD MAIN BOARD, COMPLETE (IT)	

*	3-905-621-01	PAPER (CD), SHIELD	
< CAPACITOR >			
C701	1-130-475-00	MYLAR 0.0022uF 5% 50V	
C702	1-124-034-51	ELECT 33uF 20% 16V	
C703	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C704	1-124-443-00	ELECT 100uF 20% 10V	
C705	1-126-176-11	ELECT 220uF 20% 10V	
C706	1-130-489-00	MYLAR 0.033uF 5% 50V	
C707	1-131-374-00	TANTALUM 33uF 10% 16V	
C708	1-130-489-00	MYLAR 0.033uF 5% 50V	
C709	1-130-483-00	MYLAR 0.01uF 5% 50V	
C710	1-124-034-51	ELECT 33uF 20% 16V	
C711	1-162-207-31	CERAMIC 22PF 5% 50V	
C712	1-162-207-31	CERAMIC 22PF 5% 50V	
C713	1-124-472-11	ELECT 470uF 20% 10V	
C714	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C715	1-136-173-00	FILM 0.47uF 5% 50V	
C716	1-130-483-00	MYLAR 0.01uF 5% 50V	
C717	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C718	1-124-902-00	ELECT 0.47uF 20% 50V	
C719	1-162-851-11	CERAMIC 0.1uF 10% 16V	
C720	1-130-489-00	MYLAR 0.033uF 5% 50V	
C721	1-124-034-51	ELECT 33uF 20% 16V	
C722	1-130-475-00	MYLAR 0.0022uF 5% 50V	
C723	1-161-021-11	CERAMIC 0.047uF 10% 25V	
C724	1-162-294-31	CERAMIC 0.001uF 10% 50V	

Ref.No.	Part No.	Description	Remark		
C725	1-136-165-00	FILM	0.1uF	5%	50V
C726	1-136-165-00	FILM	0.1uF	5%	50V
C727	1-124-034-51	ELECT	33uF	20%	16V
C728	1-131-377-00	TANTALUM	10uF	10%	10V
C729	1-136-165-00	FILM	0.1uF	5%	50V
C730	1-124-907-11	ELECT	10uF	20%	50V
C731	1-161-061-11	CERAMIC	0.068uF	10%	50V
C732	1-162-215-31	CERAMIC	47PF	5%	50V
C733	1-124-034-51	ELECT	33uF	20%	16V
C734	1-130-481-00	MYLAR	0.0068uF	5%	50V
C735	1-162-285-31	CERAMIC	180PF	10%	50V
C736	1-161-379-00	CERAMIC	0.01uF	20%	25V
C737	1-161-379-00	CERAMIC	0.01uF	20%	25V
C738	1-161-379-00	CERAMIC	0.01uF	20%	25V
C739	1-161-379-00	CERAMIC	0.01uF	20%	25V
C740	1-124-034-51	ELECT	33uF	20%	16V
C741	1-162-294-31	CERAMIC	0.001uF	10%	50V
C743	1-130-479-00	MYLAR	0.0047uF	5%	50V
C744	1-124-903-11	ELECT	1uF	20%	50V
C745	1-130-475-00	MYLAR	0.0022uF	5%	50V
C746	1-130-469-00	MYLAR	680PF	5%	50V
C747	1-102-960-00	CERAMIC	24PF	5%	50V
C748	1-126-176-11	ELECT	220uF	20%	10V
C749	1-124-903-11	ELECT	1uF	20%	50V
C750	1-130-488-00	MYLAR	0.027uF	5%	50V
C751	1-124-903-11	ELECT	1uF	20%	50V
C752	1-124-604-00	ELECT	330uF	20%	10V
C753	1-126-176-11	ELECT	220uF	20%	10V
C754	1-126-301-11	ELECT	1uF	20%	50V
C755	1-130-475-00	MYLAR	0.0022uF	5%	50V
C756	1-130-469-00	MYLAR	680PF	5%	50V
C757	1-102-960-00	CERAMIC	24PF	5%	50V
C758	1-124-903-11	ELECT	1uF	20%	50V
C759	1-124-903-11	ELECT	1uF	20%	50V
C760	1-130-488-00	MYLAR	0.027uF	5%	50V
C761	1-136-173-00	FILM	0.47uF	5%	50V
C762	1-162-215-31	CERAMIC	47PF	5%	50V
C763	1-162-215-31	CERAMIC	47PF	5%	50V
C764	1-162-292-31	CERAMIC	680PF	10%	50V
C765	1-162-294-31	CERAMIC	0.001uF	10%	50V
C770	1-124-473-11	ELECT	1000uF	20%	10V
C771	1-124-903-11	ELECT	1uF	20%	50V
C780	1-124-034-51	ELECT	33uF	20%	16V
C781	1-124-034-51	ELECT	33uF	20%	16V
C784	1-126-176-11	ELECT	220uF	20%	10V
C790	1-161-379-00	CERAMIC	0.01uF	20%	25V
C791	1-124-927-11	ELECT	4.7uF	20%	100V
C792	1-124-903-11	ELECT	1uF	20%	50V

Ref.No.	Part No.	Description	Remark		
C794	1-124-903-11	ELECT	1uF	20%	50V
< CONNECTOR >					
*CN701	1-568-455-11	PIN, CONNECTOR (PC BOARD)	10P		
*CN702	1-564-710-11	PIN, CONNECTOR (SMALL TYPE)	8P		
*CN703	1-564-710-11	PIN, CONNECTOR (SMALL TYPE)	8P		
CN704	1-506-485-11	PIN, CONNECTOR	6P		
*CN705	1-506-999-11	PIN, CONNECTOR (PC BOARD)	3P		
*CN707	1-568-455-11	PIN, CONNECTOR (PC BOARD)	10P		
< DIODE >					
D701	8-719-911-19	DIODE	1SS119		
D702	8-719-911-19	DIODE	1SS119		
D703	8-719-911-19	DIODE	1SS119		
D704	8-719-911-19	DIODE	1SS119		
< IC >					
IC701	8-752-033-14	IC	CXA1081Q		
IC702	8-752-037-48	IC	CXA1182Q-Z		
IC703	8-752-364-15	IC	CXD1167Q		(US, CND, E, AUS)
IC703	8-752-341-93	IC	CXD1167Q		
IC705	1-807-547-11	IC	MC4558-C		
IC706	8-759-710-98	IC	NJM2100D		
IC707	8-759-148-30	IC	uPD6376GS		
IC708	8-759-501-65	IC	BA6294		
IC709	8-759-501-65	IC	BA6294		
< COIL >					
L701	1-414-142-11	INDUCTOR	1uH		
L702	1-410-678-31	INDUCTOR	220uH		
L703	1-414-142-11	INDUCTOR	1uH		
L704	1-410-678-31	INDUCTOR	220uH		
L705	1-424-090-11	COIL, LINE FILTER			
< TRANSISTOR >					
Q701	8-729-801-84	TRANSISTOR	2SB1013-4		
Q702	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q703	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q704	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q705	8-729-900-63	TRANSISTOR	DTA124ES		
Q706	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q707	8-729-900-74	TRANSISTOR	DTC143TS		
Q708	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q711	8-729-900-36	TRANSISTOR	DTC124ES		
Q712	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q713	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q714	8-729-900-63	TRANSISTOR	DTA124ES		
Q791	8-729-900-36	TRANSISTOR	DTC124ES		
Q792	8-729-900-36	TRANSISTOR	DTC124ES		

CD MAIN

Ref.No.	Part No.	Description	Remark		
< RESISTOR >					
R701	1-249-434-11	CARBON 27K 5% 1/4W			
R702	1-249-417-11	CARBON 1K 5% 1/4W			
R703	1-249-433-11	CARBON 22K 5% 1/4W			
R704	1-249-397-11	CARBON 22 5% 1/4W			
R705	1-247-806-11	CARBON 91 5% 1/4W			
R706	1-249-437-11	CARBON 47K 5% 1/4W			
R707	1-249-437-11	CARBON 47K 5% 1/4W			
R708	1-249-405-11	CARBON 100 5% 1/4W			
R709	1-249-441-11	CARBON 100K 5% 1/4W			
R711	1-249-428-11	CARBON 8.2K 5% 1/4W			
R712	1-247-856-00	CARBON 11K 5% 1/4W			
R713	1-249-441-11	CARBON 100K 5% 1/4W			
R714	1-249-425-11	CARBON 4.7K 5% 1/4W			
R715	1-249-441-11	CARBON 100K 5% 1/4W			
R716	1-247-886-11	CARBON 200K 5% 1/4W			
R717	1-249-422-11	CARBON 2.7K 5% 1/4W			
R718	1-247-903-00	CARBON 1M 5% 1/4W			
R719	1-249-417-11	CARBON 1K 5% 1/4W			
R720	1-247-883-00	CARBON 150K 5% 1/4W			
R721	1-249-438-11	CARBON 56K 5% 1/4W			
R722	1-249-429-11	CARBON 10K 5% 1/4W			
R723	1-249-441-11	CARBON 100K 5% 1/4W			
R724	1-249-438-11	CARBON 56K 5% 1/4W			
R725	1-247-885-00	CARBON 180K 5% 1/4W			
R726	1-249-437-11	CARBON 47K 5% 1/4W			
R727	1-249-441-11	CARBON 100K 5% 1/4W			
R728	1-247-854-11	CARBON 9.1K 5% 1/4W			
R729	1-247-894-11	CARBON 430K 5% 1/4W			
R730	1-249-441-11	CARBON 100K 5% 1/4W			
R731	1-215-457-00	METAL 33K 1% 1/6W			
R732	1-215-457-00	METAL 33K 1% 1/6W			
R733	1-247-895-00	CARBON 470K 5% 1/4W			
R734	1-249-417-11	CARBON 1K 5% 1/4W			
R736	1-249-429-11	CARBON 10K 5% 1/4W			
R737	1-215-457-00	METAL 33K 1% 1/6W			
R738	1-247-893-11	CARBON 390K 5% 1/4W			
R739	1-249-441-11	CARBON 100K 5% 1/4W			
R740	1-247-895-00	CARBON 470K 5% 1/4W			
R741	1-249-441-11	CARBON 100K 5% 1/4W			
R743	1-215-438-00	METAL 5.1K 1% 1/6W			
R744	1-215-456-00	METAL 30K 1% 1/6W			
R745	1-215-454-00	METAL 24K 1% 1/6W			
R746	1-249-440-11	CARBON 82K 5% 1/4W			
R747	1-249-431-11	CARBON 15K 5% 1/4W			
R748	1-249-422-11	CARBON 2.7K 5% 1/4W			
R749	1-247-834-11	CARBON 1.3K 5% 1/4W			
R750	1-249-414-11	CARBON 560 5% 1/4W			

Ref.No.	Part No.	Description	Remark		
R751	1-247-903-00	CARBON 1M 5% 1/4W			
R752	1-249-430-11	CARBON 12K 5% 1/4W			
R753	1-215-438-00	METAL 5.1K 1% 1/6W			
R754	1-215-456-00	METAL 30K 1% 1/6W			
R755	1-215-454-00	METAL 24K 1% 1/6W			
R756	1-249-440-11	CARBON 82K 5% 1/4W			
R757	1-247-887-00	CARBON 220K 5% 1/4W			
R758	1-249-422-11	CARBON 2.7K 5% 1/4W			
R759	1-247-834-11	CARBON 1.3K 5% 1/4W			
R760	1-249-414-11	CARBON 560 5% 1/4W			
R761	1-247-903-00	CARBON 1M 5% 1/4W			
R762	1-249-422-11	CARBON 2.7K 5% 1/4W			
R763	1-249-422-11	CARBON 2.7K 5% 1/4W			
R764	1-247-887-00	CARBON 220K 5% 1/4W			
R765	1-249-395-11	CARBON 15 5% 1/4W			
R766	1-249-401-11	CARBON 47 5% 1/4W			
R768	1-249-405-11	CARBON 100 5% 1/4W			
R770	1-215-453-00	METAL 22K 1% 1/6W			
R771	1-215-453-00	METAL 22K 1% 1/6W			
R772	1-215-453-00	METAL 22K 1% 1/6W			
R773	1-215-453-00	METAL 22K 1% 1/6W			
R774	1-215-429-00	METAL 2.2K 1% 1/6W			
R775	1-215-457-00	METAL 33K 1% 1/6W			
R776	1-215-457-00	METAL 33K 1% 1/6W			
R777	1-215-457-00	METAL 33K 1% 1/6W			
R778	1-215-433-00	METAL 3.3K 1% 1/6W			
R779	1-247-868-11	CARBON 36K 5% 1/4W			
R780	1-249-435-11	CARBON 33K 5% 1/4W			
R781	1-247-876-11	CARBON 75K 5% 1/4W			
R782	1-249-435-11	CARBON 33K 5% 1/4W			
R783	1-249-417-11	CARBON 1K 5% 1/4W			
R784	1-249-429-11	CARBON 10K 5% 1/4W			
R785	1-249-410-11	CARBON 270 5% 1/4W			
R786	1-249-425-11	CARBON 4.7K 5% 1/4W			
△ R787	1-212-861-11	FUSIBLE 15 5% 1/4W F			
R789	1-249-433-11	CARBON 22K 5% 1/4W			
R791	1-247-838-00	CARBON 2K 5% 1/4W			
R792	1-249-437-11	CARBON 47K 5% 1/4W			
R793	1-249-429-11	CARBON 10K 5% 1/4W			
< VARIABLE RESISTOR >					
RV701	1-230-497-11	RES, ADJ, CARBON 20K			
RV702	1-230-498-11	RES, ADJ, CARBON 50K			
RV703	1-228-991-00	RES, ADJ, METAL 2.2K			
RV704	1-230-497-11	RES, ADJ, CARBON 20K			
RV705	1-230-497-11	RES, ADJ, CARBON 20K			

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CD MAIN

CD MOTOR

CD SW

GEQ VOL

POWER

TC

Ref.No.	Part No.	Description	Remark
		< SWITCH >	
S701	1-570-822-21	SWITCH, LEAF (OPEN DET)	
		< VIBRATOR >	
XF701	1-567-908-11	VIBRATOR, CRYSTAL (16.9344MHz)	

*	1-649-061-11	CD MOTOR BOARD	

		< CONNECTOR >	
CN706	1-506-485-11	PIN, CONNECTOR 6P	
		< SWITCH >	
S702	1-571-936-11	SWITCH, LEAF (LIMIT IN)	

*	1-649-063-11	CD SW BOARD	

		< CONNECTOR >	
*CN807	1-560-531-00	PIN, CONNECTOR 5P	
		< SWITCH >	
S801	1-572-199-11	SWITCH, KEY BOARD ()	
S802	1-572-199-11	SWITCH, KEY BOARD ()	
S803	1-572-199-11	SWITCH, KEY BOARD ()	
S804	1-572-199-11	SWITCH, KEY BOARD ()	

*	1-649-056-11	GEQ VOL BOARD	

		< CONNECTOR >	
*CN308	1-566-970-11	HOUSING, CONNECTOR(PC BOARD)8P	
		< VARIABLE RESISTOR >	
RV301	1-238-481-11	RES, VAR, SLIDE 50KX6 (BALANCE)	

*	1-649-050-11	POWER BOARD	

	1-533-264-11	BREAKER, CIRCUIT	(US, CND)
	1-533-233-11	HOLDER, FUSE	(US, CND, AEP, IT)
	1-533-313-11	HOLDER, FUSE	(E, AUS)
		< CAPACITOR >	
C901	1-101-005-00	CERAMIC 22000PF	50V

Ref.No.	Part No.	Description	Remark
C902	1-101-005-00	CERAMIC 22000PF	50V
C903	1-101-005-00	CERAMIC 22000PF	50V
C904	1-101-005-00	CERAMIC 22000PF	50V
C905	1-124-771-00	ELECT 6800uF	20% 25V
C906	1-136-169-00	FILM 0.22uF	5% 50V
		< CONNECTOR >	
*CN901	1-564-779-11	PLUG, CONNECTOR (2.5MM) 6P	
CN902	1-569-614-11	PLUG, CONNECTOR (2.5MM) 2P	
		< DIODE >	
D901	8-719-500-33	DIODE D3SB20	
D902	8-719-911-19	DIODE 1SS119	
D903	8-719-911-19	DIODE 1SS119	
D904	8-719-110-08	DIODE RD8.2ESB2	
		< FUSE >	
△F901	1-576-030-11	FUSE, GLASS TUBE (5A)	(E)
△F901	1-576-264-11	FUSE (5A)	(AEP, IT)
		< IC >	
IC901	8-759-912-55	IC S-81250HG	
		< JACK >	
△J901	1-540-009-11	INLET, AC	(US, CND)
△J901	1-526-838-11	INLET, AC 2P	(AEP, AUS, IT)
△J901	1-526-818-11	INLET, AC	(E)
		< LINE FILTER >	
△LF901	1-424-150-11	TRANSFORMER, LINE FILTER	
		< RESISTOR >	
R901	1-247-887-00	CARBON 220K 5% 1/4W	
R902	1-247-895-00	CARBON 470K 5% 1/4W	
R903	1-249-418-11	CARBON 1.2K 5% 1/4W	
R904	1-249-418-11	CARBON 1.2K 5% 1/4W	
		< TRANSFORMER >	
△T901	1-423-768-11	TRANSFORMER, POWER	(US, CND, E)
△T901	1-423-765-11	TRANSFORMER, POWER	(AEP, IT)
△T901	1-423-766-11	TRANSFORMER, POWER	(AUS)

*	A-3264-689-A	TC BOARD, COMPLETE	

		< CAPACITOR >	
C602	1-124-927-11	ELECT 4.7uF	20% 100V

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TC

VOL SW

REVISED

Ref.No.	Part No.	Description	Remark
C603	1-124-916-11	ELECT 22uF	20% 63V

< CONNECTOR >

*CN601 1-569-750-11 PIN, CONNECTOR (PC BOARD) 8P
 *CN602 1-566-779-11 PIN, CONNECTOR (PC BOARD) 4P

< DIODE >

D601	8-719-911-19	DIODE 1SS119
D603	8-719-911-19	DIODE 1SS119
D605	8-719-911-19	DIODE 1SS119
D607	8-719-911-19	DIODE 1SS119
D608	8-719-911-19	DIODE 1SS119

< TRANSISTOR >

Q601	8-729-801-84	TRANSISTOR 2SB1013-4
Q602	8-729-806-30	TRANSISTOR 2SC4048
Q603	8-729-806-30	TRANSISTOR 2SC4048
Q604	8-729-115-30	TRANSISTOR 2SK105A-30
Q605	8-729-806-30	TRANSISTOR 2SC4048

Q606	8-729-806-30	TRANSISTOR 2SC4048
Q607	8-729-806-30	TRANSISTOR 2SC4048
Q608	8-729-902-80	TRANSISTOR DTA114YS
Q610	8-729-806-30	TRANSISTOR 2SC4048

< RESISTOR >

R601	1-249-441-11	CARBON 100K 5% 1/4W
R602	1-249-418-11	CARBON 1.2K 5% 1/4W
R603	1-249-427-11	CARBON 6.8K 5% 1/4W
R604	1-249-424-11	CARBON 3.9K 5% 1/4W
R605	1-249-425-11	CARBON 4.7K 5% 1/4W

R606	1-249-425-11	CARBON 4.7K 5% 1/4W
R607	1-249-425-11	CARBON 4.7K 5% 1/4W
R608	1-249-425-11	CARBON 4.7K 5% 1/4W
R609	1-249-425-11	CARBON 4.7K 5% 1/4W
R610	1-249-417-11	CARBON 1K 5% 1/4W

< VARIABLE RESISTOR >

RV601 1-230-495-11 RES, ADJ, CARBON 2.2K

< SWITCH >

S601	1-571-890-11	SWITCH, LEAF (B:MOTOR)
S602	1-571-890-11	SWITCH, LEAF (A:HI-SPEED)
S603	1-571-890-11	SWITCH, LEAF (B:REC)
S604	1-571-890-11	SWITCH, LEAF (B:PLAY)
S605	1-571-890-11	SWITCH, LEAF (A:MOTOR)

Ref.No.	Part No.	Description	Remark
*	1-649-064-11	VOL SW BOARD	*****

< CONNECTOR >

*CN805 1-564-013-11 PIN, CONNECTOR 3P

< SWITCH >

S810 1-572-199-11 SWITCH, KEY BOARD (VOL+)
 S811 1-572-199-11 SWITCH, KEY BOARD (VOL-)

MISCELLANEOUS

*77 1-751-074-11 WIRE, PARALLEL (FFC)
 102 1-452-531-11 MAGNET
 Δ405 8-848-137-11 PICK-UP, OPTICAL KSS-210B
 452 1-529-058-11 BUZZER
 456 1-559-620-11 CORD (WITH CONNECTOR)
 458 1-504-330-11 SPEAKER (12CM)
 ANT1 1-501-383-21 ANTENNA, TELESCOPIC
 HE301 1-543-525-11 HEAD, MAGNETIC (ERASE)
 HP301 1-543-628-13 HEAD, MAGNETIC (PB)
 HRP301 1-543-628-13 HEAD, MAGNETIC (REC/PB)
 M301 X-4920-924-1 MOTOR ASSY
 M701 X-2625-132-1 MOTOR GEAR ASSY, (MB) (SLED)
 M702 X-2625-133-2 MOTOR ASSY, SPINDLE (TT CHASSIS ASSY(MB))
 ΔT901 1-423-765-11 TRANSFORMER, POWER (AEP, IT)
 ΔT901 1-423-766-11 TRANSFORMER, POWER (AUS)
 ΔT901 1-423-768-11 TRANSFORMER, POWER (US, CND, E)

ACCESSORIES & PACKING MATERIALS

1-467-256-11 COMMANDER, STANDARD (RMT-C560)
 Δ 1-557-287-11 COARD, POWER (E)
 Δ 1-575-131-11 COARD, POWER (IT)
 Δ 1-696-064-21 COARD, POWER (POLARIZED) (US)
 Δ 1-696-442-21 COARD, POWER (POLARIZED) (CND)
 Δ 1-696-819-11 COARD, POWER (AUS)
 Δ 1-696-820-21 COARD, POWER (AEP)
 2-181-754-21 COVER, BATTERY CASE (FOR RMT-C560)
 * 3-907-078-01 INDIVIDUAL, CARTON (E92)
 * 3-907-079-01 INDIVIDUAL, CARTON (AE2)
 3-757-281-11 MANUAL, INSTRUCTION
 (ENGLISH, FRENCH, SPANISH, GERMAN) (AEP, IT)
 3-757-281-21 MANUAL, INSTRUCTION (ENGLISH) (US, CND, E, AUS)
 3-757-281-31 MANUAL, INSTRUCTION (FRENCH) (CND)
 3-757-281-41 MANUAL, INSTRUCTION (DUTCH, SWEDISH) (AEP, IT)
 3-757-281-61 MANUAL, INSTRUCTION (SPANISH) (E)

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 portant le numéro spécifié.

Ref.No.	Part No.	Description	Remark
*	3-906-177-01	INDIVIDUAL CARTON	
*	3-906-179-01	CUSHION (BOTTOM)	
*	3-906-180-01	CUSHION (TOP)	

HARDWARE LIST

#1	7-685-648-79	SCREW, TAPPING +BV 3X12	
#2	7-685-132-19	SCREW, +P 2.6X5 TYPE2 NON-SLIT	
#3	7-682-549-04	SCREW, +B 3X10	
#4	7-685-646-79	SCREW, +BVTP 3X8 TYPE2 IT-3	
#5	7-621-770-87	SCREW, +B 2.6X5	
#6	7-685-903-31	SCREW, +PTPWH 3X10 (TYPE2)	
#7	7-685-547-19	SCREW, +BTP 3X10 TYPE2 N-S	
#8	7-685-104-19	SCREW, +P 2X6 TYPE2 NON-SLIT	
#9	7-621-772-10	SCREW, +B 2X4	
#10	7-621-255-15	SCREW, +P 2X3	
#11	7-685-647-79	SCREW, +BVTP 3X10 TYPE2 SLIT	
#15	7-685-144-11	SCREW, +P 3X5 TYPE2 NON-SLIT	
#16	7-682-548-04	SCREW, +BVTT 3X8 (S)	
#17	7-685-548-19	SCREW, +BTP 3X12 TYPE2 N-S	

CFD-560

SERVICE MANUAL

US Model
Canadian Model
AEP Model
E Model
Australian Model

SUPPLEMENT-2

File this supplement with the service manual.

Subject: Modification of MAIN Board

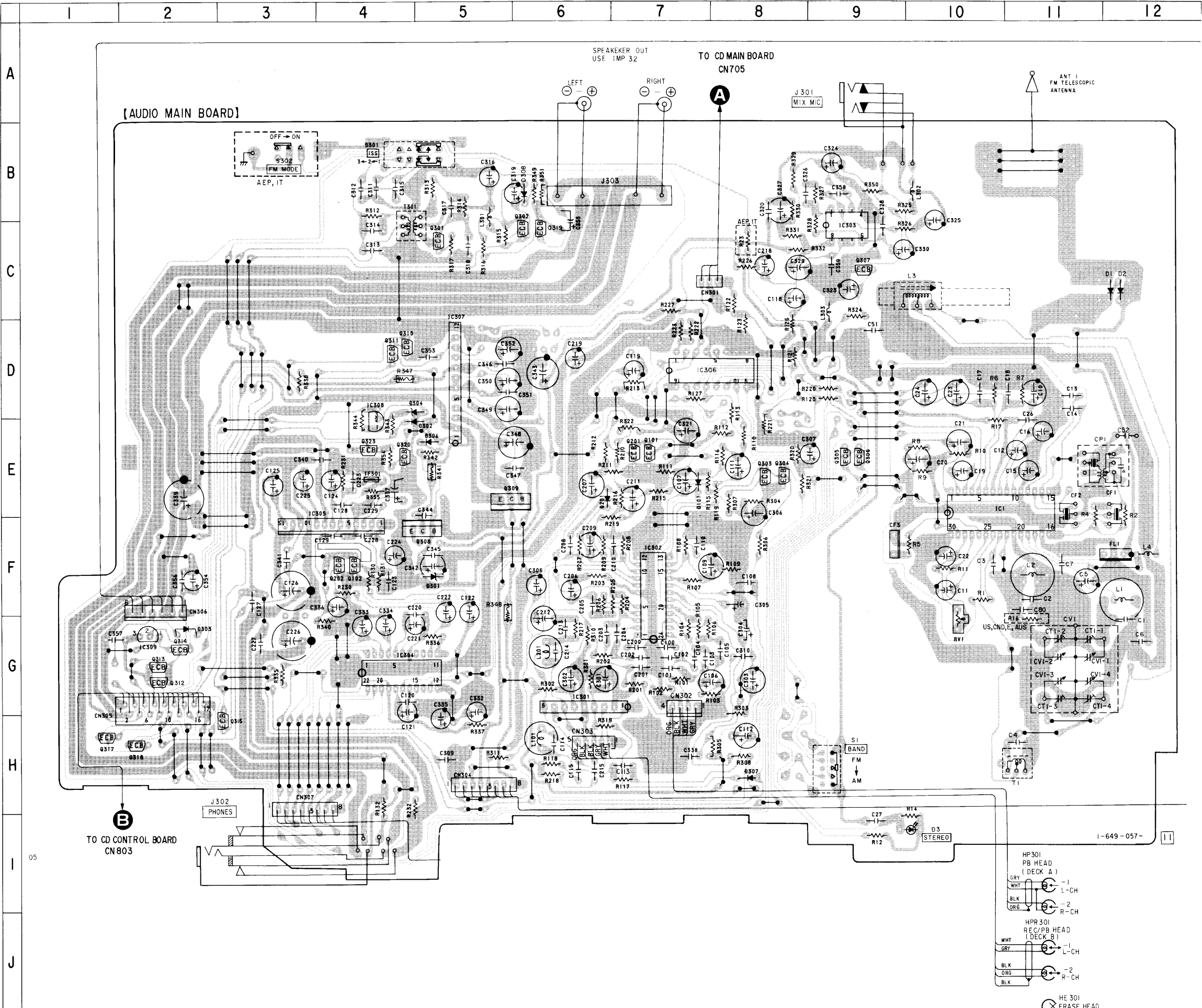
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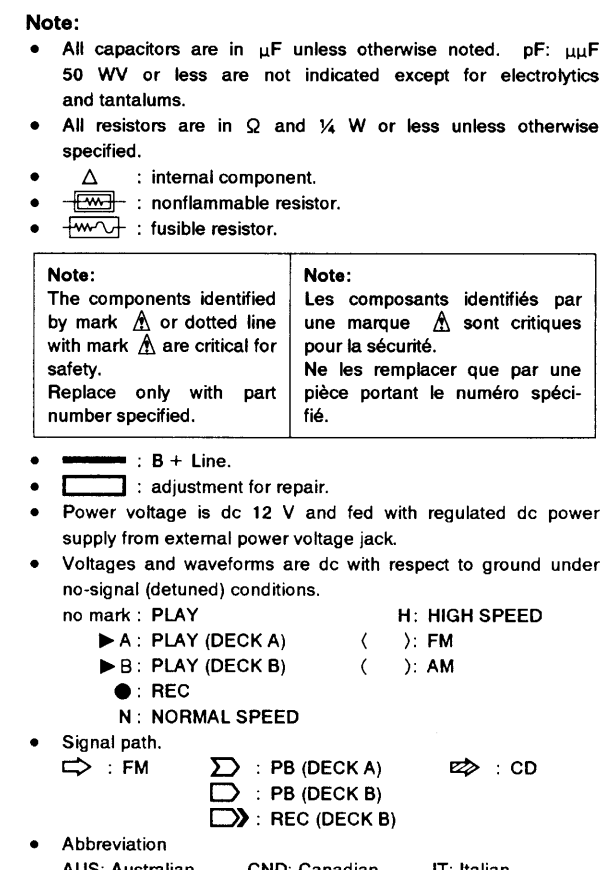
• Semiconductor Location

Ref. No.	Location
D1	C-12
D2	C-12
D3	I-10
D101	E-7
D201	E-7
D301	F-5
D302	E-5
D303	G-2
D304	D-5
D306	E-5
D307	H-8
D308	B-6
IC1	E-11
IC301	G-6
IC302	F-7
IC303	C-9
IC304	G-4
IC305	E-4
IC306	D-8
IC307	D-5
IC308	D-4
IC309	G-2
Q101	E-7
Q102	F-4
Q201	E-4
Q202	F-4
Q301	C-5
Q302	B-6
Q303	E-8
Q304	E-8
Q305	E-9
Q306	E-9
Q307	C-9
Q308	F-5
Q309	E-5
Q310	D-5
Q311	D-4
Q312	G-2
Q313	G-2
Q314	G-2
Q315	H-3
Q317	H-1
Q318	H-1
Q319	C-6
Q320	E-4
Q323	E-4

Note:

- — : parts extracted from the component side.
- — : indicates side identified with part number.
- — : Pattern of the side which is seen.
- Abbreviation
AUS : Australian
CND : Canadian
IT : Italian





MAIN

• ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- Abbreviation
AUS: Australian CND: Canadian IT: Italian

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A. uPA...: μ PA.
uPB...: μ PB. uPC...: μ PC. uPD...: μ PD.
- CAPACITORS
uF: μ F
- COILS
uH: μ H

When indicating parts by reference number, please include the board.

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	A-3264-701-A	MAIN BOARD, COMPLETE (US, CND, E)		C21	1-126-963-11	ELECT 4.7uF 20% 50V	
*	A-3264-854-A	MAIN BOARD, COMPLETE (AEP)		C22	1-124-443-00	ELECT 100uF 20% 10V	
*	A-3264-859-A	MAIN BOARD, COMPLETE (IT)		C23	1-124-902-00	ELECT 0.47uF 20% 50V	
*	A-3264-917-A	MAIN BOARD, COMPLETE (AUS)					
		*****		C24	1-124-902-00	ELECT 0.47uF 20% 50V	
	3-831-441-XX	CUSHION, SPEAKER		C26	1-162-306-11	CERAMIC 0.01uF 30% 16V	
	3-905-124-01	KNOB, BAND		C27	1-161-772-11	CERAMIC 0.1uF 10% 25V	
	3-905-156-01	GEAR, TUNING CAPACITOR		C51	1-162-282-31	CERAMIC 100PF 10% 50V	
*	3-910-641-01	BRACKET, FUSE (AEP, IT)		C52	1-162-282-31	CERAMIC 100PF 10% 50V	
	7-621-770-87	SCREW +B 2.6X5					
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3		C80	1-162-193-31	CERAMIC 3.3PF 10% 50V	
	8-729-011-91	TRANSISTOR KSR1214 (US, CND, E)		C100	1-162-294-31	CERAMIC 0.001uF 10% 50V	
		< CAPACITOR >		C101	1-162-291-31	CERAMIC 560PF 10% 50V	
C1	1-102-960-00	CERAMIC 24PF 5% 50V		C102	1-162-291-31	CERAMIC 560PF 10% 50V	
C2	1-102-961-00	CERAMIC 27PF 5% 50V(EXCEPT IT)		C103	1-162-286-21	CERAMIC 220PF 10% 50V	
C2	1-102-962-00	CERAMIC 30PF 5% 50V(IT)		C104	1-162-286-21	CERAMIC 220PF 10% 50V	
C3	1-162-191-31	CERAMIC 2.2PF 10% 50V (US, CND, E, AUS)		C105	1-130-486-00	MYLAR 0.018uF 10% 50V	
C3	1-162-192-31	CERAMIC 2.7PF 10% 50V(AEP, IT)		C106	1-104-664-11	ELECT 47uF 20% 10V	
C4	1-162-196-31	CERAMIC 5.6PF 10% 50V(US, CND, E)		C107	1-124-903-11	ELECT 1uF 20% 50V	
C4	1-162-198-31	CERAMIC 8.2PF 10% 50V(AEP, AUS)		C108	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C4	1-162-199-31	CERAMIC 10PF 5% 50V(IT)		C109	1-104-664-11	ELECT 47uF 20% 10V	
C5	1-104-663-11	ELECT 33uF 20% 16V		C110	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C6	1-161-051-00	CERAMIC 0.01uF 10% 50V		C111	1-124-903-11	ELECT 1uF 20% 50V	
C7	1-162-306-11	CERAMIC 0.01uF 30% 16V		C112	1-124-903-11	ELECT 1uF 20% 50V	
C10	1-104-664-11	ELECT 47uF 20% 16V		C113	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C11	1-126-961-11	ELECT 2.2uF 20% 50V		C114	1-162-288-31	CERAMIC 330PF 10% 50V	
C12	1-104-664-11	ELECT 47uF 20% 16V		C115	1-162-286-21	CERAMIC 220PF 10% 50V	
C13	1-162-306-11	CERAMIC 0.01uF 30% 16V		C118	1-126-963-11	ELECT 4.7uF 20% 50V	
C14	1-162-306-11	CERAMIC 0.01uF 30% 16V		C119	1-124-903-11	ELECT 1uF 20% 50V	
C15	1-124-903-11	ELECT 1uF 20% 50V		C120	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C16	1-126-963-11	ELECT 4.7uF 20% 50V		C121	1-126-963-11	ELECT 4.7uF 20% 50V	
C17	1-161-053-00	CERAMIC 0.015uF 10% 50V		C122	1-126-963-11	ELECT 4.7uF 20% 50V	
C18	1-161-053-00	CERAMIC 0.015uF 10% 50V		C123	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C19	1-124-903-11	ELECT 1uF 20% 50V		C124	1-104-666-11	ELECT 220uF 20% 10V	
C20	1-124-902-00	ELECT 0.47uF 20% 50V		C125	1-124-443-00	ELECT 100uF 20% 10V	
				C126	1-126-942-61	ELECT 1000uF 20% 16V	
				C127	1-136-169-00	FILM 0.22uF 5% 50V	

Ref. No.	Part No.	Description	Remark		
C128	1-162-282-31	CERAMIC	100PF	10%	50V
C129	1-162-282-31	CERAMIC	100PF	10%	50V
C200	1-162-294-31	CERAMIC	0.001uF	10%	50V
C201	1-162-291-31	CERAMIC	560PF	10%	50V
C202	1-162-291-31	CERAMIC	560PF	10%	50V
C203	1-162-286-21	CERAMIC	220PF	10%	50V
C204	1-162-286-21	CERAMIC	220PF	10%	50V
C205	1-130-486-00	MYLAR	0.018uF	10%	50V
C206	1-104-664-11	ELECT	47uF	20%	10V
C207	1-124-903-11	ELECT	1uF	20%	50V
C208	1-162-294-31	CERAMIC	0.001uF	10%	50V
C209	1-104-664-11	ELECT	47uF	20%	10V
C210	1-162-294-31	CERAMIC	0.001uF	10%	50V
C211	1-124-903-11	ELECT	1uF	20%	50V
C212	1-124-903-11	ELECT	1uF	20%	50V
C213	1-162-294-31	CERAMIC	0.001uF	10%	50V
C214	1-162-288-31	CERAMIC	330PF	10%	50V
C215	1-162-286-21	CERAMIC	220PF	10%	50V
C218	1-126-963-11	ELECT	4.7uF	20%	50V
C219	1-124-903-11	ELECT	1uF	20%	50V
C220	1-162-294-31	CERAMIC	0.001uF	10%	50V
C221	1-126-963-11	ELECT	4.7uF	20%	50V
C222	1-126-963-11	ELECT	4.7uF	20%	50V
C223	1-162-294-31	CERAMIC	0.001uF	10%	50V
C224	1-104-666-11	ELECT	220uF	20%	10V
C225	1-124-443-00	ELECT	100uF	20%	10V
C226	1-126-942-61	ELECT	1000uF	20%	16V
C227	1-136-169-00	FILM	0.22uF	5%	50V
C228	1-162-282-31	CERAMIC	100PF	10%	50V
C229	1-162-282-31	CERAMIC	100PF	10%	50V
C301	1-104-664-11	ELECT	47uF	20%	10V
C302	1-124-443-00	ELECT	100uF	20%	10V
C303	1-124-443-00	ELECT	100uF	20%	10V
C304	1-124-443-00	ELECT	100uF	20%	10V
C305	1-126-961-11	ELECT	2.2uF	20%	50V
C306	1-124-443-00	ELECT	100uF	20%	10V
C307	1-104-663-11	ELECT	33uF	20%	16V
C308	1-126-965-11	ELECT	22uF	20%	50V
C309	1-162-294-31	CERAMIC	0.001uF	10%	50V
C310	1-162-282-31	CERAMIC	100PF	10%	50V
C311	1-130-467-00	MYLAR	470PF	5%	50V
C312	1-130-476-00	MYLAR	0.0027uF	5%	50V
C313	1-130-473-00	MYLAR	0.0015uF	5%	50V
C314	1-130-479-00	MYLAR	0.0047uF	5%	50V
C315	1-130-472-00	MYLAR	0.0012uF	5%	50V
C316	1-104-664-11	ELECT	47uF	20%	16V
C317	1-130-483-00	MYLAR	0.01uF	5%	50V
C318	1-130-481-00	MYLAR	0.0068uF	5%	50V
C319	1-126-965-11	ELECT	22uF	20%	50V

Ref. No.	Part No.	Description	Remark		
C320	1-162-282-31	CERAMIC	100PF	10%	50V
C321	1-104-664-11	ELECT	47uF	20%	16V
C323	1-126-963-11	ELECT	4.7uF	20%	50V
C324	1-124-903-11	ELECT	1uF	20%	50V
C325	1-124-903-11	ELECT	1uF	20%	50V
C326	1-162-282-31	CERAMIC	100PF	10%	50V
C327	1-104-664-11	ELECT	47uF	20%	16V
C328	1-162-282-31	CERAMIC	100PF	10%	50V
C329	1-104-664-11	ELECT	47uF	20%	16V
C330	1-126-963-11	ELECT	4.7uF	20%	50V
C332	1-126-963-11	ELECT	4.7uF	20%	50V
C333	1-126-961-11	ELECT	2.2uF	20%	50V
C334	1-124-907-11	ELECT	10uF	20%	50V
C335	1-124-443-00	ELECT	100uF	20%	10V
C336	1-104-664-11	ELECT	47uF	20%	16V
C337	1-124-120-11	ELECT	220uF	20%	25V
C338	1-162-282-31	CERAMIC	100PF	10%	50V
C339	1-124-480-11	ELECT	470uF	20%	25V
C340	1-162-306-11	CERAMIC	0.01uF	30%	16V
C341	1-162-282-31	CERAMIC	100PF	10%	50V
C342	1-104-666-11	ELECT	220uF	20%	10V
C343	1-124-120-11	ELECT	220uF	20%	25V
C344	1-162-306-11	CERAMIC	0.01uF	30%	16V
C345	1-162-306-11	CERAMIC	0.01uF	30%	16V
C346	1-162-306-11	CERAMIC	0.01uF	30%	16V
C347	1-136-173-00	FILM	0.47uF	5%	50V
C348	1-124-119-00	ELECT	330uF	20%	16V
C349	1-104-665-11	ELECT	100uF	20%	16V
C350	1-124-443-00	ELECT	100uF	20%	10V
C351	1-162-306-11	CERAMIC	0.01uF	30%	16V
C352	1-104-665-11	ELECT	100uF	20%	16V
C353	1-162-306-11	CERAMIC	0.01uF	30%	16V
C354	1-124-907-11	ELECT	10uF	20%	50V
C355	1-104-664-11	ELECT	47uF	20%	16V
C356	1-162-306-11	CERAMIC	0.01uF	30%	16V
C357	1-162-306-11	CERAMIC	0.01uF	30%	16V
C358	1-162-282-31	CERAMIC	100PF	10%	50V
C359	1-162-282-31	CERAMIC	100PF	10%	50V

< FILTER >

CF1 1-577-327-81 FILTER, CERAMIC
CF2 1-577-327-81 FILTER, CERAMIC
CF3 1-577-327-81 FILTER, CERAMIC

< CONNECTOR >

* CN301 1-566-824-11 PIN, CONNECTOR (PC BOARD) 3P
* CN302 1-506-986-11 PIN, CONNECTOR (PC BOARD) 4P
* CN303 1-506-987-11 PIN, CONNECTOR (PC BOARD) 5P

MAIN

Ref. No.	Part No.	Description	Remark
* CN305	1-691-049-21	HOUSING, CONNECTOR 17P	
* CN307	1-566-973-11	PIN, CONNECTOR (PC BOARD) 8P	
< CONPOSITION CIRCUIT BLOCK >			
CP1	1-239-249-11	ENCAPSULATED COMPONENT (US, CND, E, AUS)	
CP1	1-236-047-11	ENCAPSULATED COMPONENT (AEP, IT)	
< VARIABLE CAPACITOR >			
CV1	1-151-624-11	CAP, VAR	
CT1	1-151-624-11	CAP, VAR	
< DIODE >			
D1	8-719-991-33	DIODE 1SS133T-77	
D2	8-719-991-33	DIODE 1SS133T-77	
D3	8-719-948-75	DIODE SLR34VR70F165 (STEREO)	
D101	8-719-991-33	DIODE 1SS133T-77	
D201	8-719-991-33	DIODE 1SS133T-77	
D301	8-719-109-93	DIODE RD6.2ESB2	
D302	8-719-991-33	DIODE 1SS133T-77	
D303	8-719-991-33	DIODE 1SS133T-77	
D304	8-719-110-08	DIODE RD8.2ES-B2	
D306	8-719-991-33	DIODE 1SS133T-77	
D307	8-719-991-33	DIODE 1SS133T-77	
D308	8-719-991-33	DIODE 1SS133T-77	
< FILTER >			
FL1	1-236-022-11	FILTER, BAND PASS	
< IC >			
IC1	8-752-050-20	IC CXA1238S	
IC301	8-759-143-54	IC uPC1330HA	
IC302	8-759-096-55	IC KIA6289N	
IC303	1-807-547-11	IC KA4558-C	
IC304	8-752-067-34	IC CXA1352AS	
IC305	8-759-820-22	IC LA4597	
IC306	8-759-068-07	IC CD4052BCN	
IC307	8-759-996-77	IC BA3924	
IC308	8-759-076-13	IC KIA7027P	
IC309	8-759-912-55	IC S-81250HG	
< JACK >			
J301	1-750-184-11	JACK, MICROPHONE (MIX MIC)	
J302	1-568-267-11	JACK (PHONES)	
J303	1-537-114-11	TERMINAL BOARD (SPEAKER)	
< COIL >			
L1	1-428-777-11	COIL, AIR-CORE	
L2	1-409-897-11	COIL, AIR-CORE (US, CND, E)	

Ref. No.	Part No.	Description	Remark
L2	1-403-597-11	COIL (WITH CORE) (AEP, IT)	
L2	0-939-331-00	COIL, AIR-CORE (AUS)	
L3	1-402-553-11	ANTENNA, FERRITE-ROD (MW)	
L4	1-410-517-11	INDUCTOR 47uH	
L101	1-410-776-11	INDUCTOR 12mH	
L201	1-410-776-11	INDUCTOR 12mH	
L301	1-410-686-11	INDUCTOR 1mH	
L302	1-410-521-11	INDUCTOR 100uH	
L303	1-410-509-11	INDUCTOR 10uH	
< TRANSISTOR >			
Q101	8-729-806-30	TRANSISTOR 2SC4048	
Q102	8-729-806-30	TRANSISTOR 2SC4048	
Q201	8-729-806-30	TRANSISTOR 2SC4048	
Q202	8-729-806-30	TRANSISTOR 2SC4048	
Q301	1-807-545-11	TRANSISTOR KSC1008-Y	
Q302	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q303	8-729-806-30	TRANSISTOR 2SC4048	
Q304	8-729-806-30	TRANSISTOR 2SC4048	
Q305	8-729-806-30	TRANSISTOR 2SC4048	
Q306	8-729-902-80	TRANSISTOR DTA114YS	
Q307	8-729-806-30	TRANSISTOR 2SC4048	
Q308	8-729-209-15	TRANSISTOR 2SD2012	
Q309	8-729-024-94	TRANSISTOR 2SB1565F	
Q310	8-729-806-30	TRANSISTOR 2SC4048	
Q311	8-729-902-80	TRANSISTOR DTA114YS	
Q312	8-729-902-80	TRANSISTOR DTA114YS	
Q313	8-729-902-80	TRANSISTOR DTA114YS	
Q314	8-729-806-30	TRANSISTOR 2SC4048	
Q315	8-729-806-30	TRANSISTOR 2SC4048	
Q317	8-729-806-30	TRANSISTOR 2SC4048	
Q318	8-729-902-80	TRANSISTOR DTA114YS	
Q319	8-729-806-30	TRANSISTOR 2SC4048	
Q320	8-729-806-30	TRANSISTOR 2SC4048	
Q323	8-729-119-76	TRANSISTOR 2SA1175-HFE	
< RESISTOR >			
R1	1-249-441-11	CARBON 100K 5% 1/4W	
R2	1-249-421-11	CARBON 2.2K 5% 1/4W	
R4	1-249-407-11	CARBON 150 5% 1/4W	
R5	1-249-401-11	CARBON 47 5% 1/4W	
R6	1-249-427-11	CARBON 6.8K 5% 1/4W	
R7	1-249-427-11	CARBON 6.8K 5% 1/4W	
R8	1-247-887-00	CARBON 220K 5% 1/4W	
R9	1-247-887-00	CARBON 220K 5% 1/4W	
R10	1-249-421-11	CARBON 2.2K 5% 1/4W	
R11	1-249-429-11	CARBON 10K 5% 1/4W	
R12	1-249-409-11	CARBON 220 5% 1/4W	

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R14	1-249-426-11	CARBON	5.6K	5%	1/4W	R219	1-249-421-11	CARBON	2.2K	5%	1/4W
R16	1-249-423-11	CARBON	3.3K	5%	1/4W						
			(US, CND, E, AUS)			R220	1-249-432-11	CARBON	18K	5%	1/4W
R17	1-249-402-11	CARBON	56	5%	1/4W	R221	1-249-430-11	CARBON	12K	5%	1/4W
R23	1-249-429-11	CARBON	10K	5%	1/4W (AEP, IT)	R222	1-249-439-11	CARBON	68K	5%	1/4W
						R223	1-249-427-11	CARBON	6.8K	5%	1/4W
R101	1-249-417-11	CARBON	1K	5%	1/4W	R226	1-249-432-11	CARBON	18K	5%	1/4W
R102	1-249-417-11	CARBON	1K	5%	1/4W						
R103	1-247-807-11	CARBON	100	5%	1/4W	R227	1-249-422-11	CARBON	2.7K	5%	1/4W
R104	1-247-885-00	CARBON	180K	5%	1/4W	R230	1-249-437-11	CARBON	47K	5%	1/4W
R105	1-249-427-11	CARBON	6.8K	5%	1/4W	R231	1-249-425-11	CARBON	4.7K	5%	1/4W
						R232	1-249-406-11	CARBON	120	5%	1/4W
R106	1-249-427-11	CARBON	6.8K	5%	1/4W	R301	1-249-429-11	CARBON	10K	5%	1/4W
R107	1-247-885-00	CARBON	180K	5%	1/4W						
R108	1-247-890-11	CARBON	300K	5%	1/4W	R302	1-247-807-31	CARBON	100	5%	1/4W
R109	1-249-407-11	CARBON	150	5%	1/4W	R303	1-249-423-11	CARBON	3.3K	5%	1/4W
R110	1-249-438-11	CARBON	56K	5%	1/4W	R304	1-247-903-00	CARBON	1M	5%	1/4W
						R305	1-249-401-11	CARBON	47	5%	1/4W
R111	1-249-429-11	CARBON	10K	5%	1/4W	R306	1-249-425-11	CARBON	4.7K	5%	1/4W
R112	1-249-421-11	CARBON	2.2K	5%	1/4W						
R113	1-249-428-11	CARBON	8.2K	5%	1/4W	R307	1-249-417-11	CARBON	1K	5%	1/4W
R115	1-249-441-11	CARBON	100K	5%	1/4W	R308	1-249-423-11	CARBON	3.3K	5%	1/4W
R116	1-249-418-11	CARBON	1.2K	5%	1/4W	R310	1-247-863-11	CARBON	22K	5%	1/4W
						R311	1-249-425-11	CARBON	4.7K	5%	1/4W
R117	1-249-430-11	CARBON	12K	5%	1/4W	R312	1-249-423-11	CARBON	3.3K	5%	1/4W
R118	1-249-423-11	CARBON	3.3K	5%	1/4W						
R119	1-249-421-11	CARBON	2.2K	5%	1/4W	R313	1-249-401-11	CARBON	47	5%	1/4W
R120	1-249-432-11	CARBON	18K	5%	1/4W	R314	1-249-429-11	CARBON	10K	5%	1/4W
R121	1-249-430-11	CARBON	12K	5%	1/4W	R315	1-249-437-11	CARBON	47K	5%	1/4W
						R316	1-249-418-11	CARBON	1.2K	5%	1/4W
R122	1-249-439-11	CARBON	68K	5%	1/4W	R317	1-249-393-11	CARBON	10	5%	1/4W
R123	1-249-427-11	CARBON	6.8K	5%	1/4W						
R126	1-249-432-11	CARBON	18K	5%	1/4W	R319	1-249-423-11	CARBON	3.3K	5%	1/4W
R127	1-249-422-11	CARBON	2.7K	5%	1/4W	R320	1-249-437-11	CARBON	47K	5%	1/4W
R130	1-249-437-11	CARBON	47K	5%	1/4W	R321	1-249-425-11	CARBON	4.7K	5%	1/4W
						R322	1-247-807-11	CARBON	100	5%	1/4W
R131	1-249-425-11	CARBON	4.7K	5%	1/4W	R324	1-249-425-11	CARBON	4.7K	5%	1/4W
R132	1-249-406-11	CARBON	120	5%	1/4W						
R201	1-249-417-11	CARBON	1K	5%	1/4W	R325	1-249-425-11	CARBON	4.7K	5%	1/4W
R202	1-249-417-11	CARBON	1K	5%	1/4W	R326	1-249-419-11	CARBON	1.5K	5%	1/4W
R203	1-247-807-11	CARBON	100	5%	1/4W	R327	1-249-439-11	CARBON	68K	5%	1/4W
						R328	1-249-437-11	CARBON	47K	5%	1/4W
R204	1-247-885-00	CARBON	180K	5%	1/4W	R329	1-249-441-11	CARBON	100K	5%	1/4W
R205	1-249-427-11	CARBON	6.8K	5%	1/4W						
R206	1-249-427-11	CARBON	6.8K	5%	1/4W	R330	1-249-429-11	CARBON	10K	5%	1/4W
R207	1-247-885-00	CARBON	180K	5%	1/4W	R331	1-249-429-11	CARBON	10K	5%	1/4W
R208	1-247-890-11	CARBON	300K	5%	1/4W	R332	1-247-807-11	CARBON	100	5%	1/4W
						R335	1-249-417-11	CARBON	1K	5%	1/4W
R209	1-249-407-11	CARBON	150	5%	1/4W	R336	1-247-884-11	CARBON	160K	5%	1/4W
R210	1-249-438-11	CARBON	56K	5%	1/4W						
R211	1-249-429-11	CARBON	10K	5%	1/4W	R337	1-249-401-11	CARBON	47	5%	1/4W
R212	1-249-421-11	CARBON	2.2K	5%	1/4W	R338	1-249-418-11	CARBON	1.2K	5%	1/4W
R213	1-249-428-11	CARBON	8.2K	5%	1/4W	R340	1-249-437-11	CARBON	47K	5%	1/4W
						△R341	1-219-149-11	FUSIBLE	1	5%	1/4W F
R215	1-249-441-11	CARBON	100K	5%	1/4W	R342	1-249-413-11	CARBON	470	5%	1/4W
R216	1-249-418-11	CARBON	1.2K	5%	1/4W						
R217	1-249-430-11	CARBON	12K	5%	1/4W	R343	1-249-418-11	CARBON	1.2K	5%	1/4W
R218	1-249-423-11	CARBON	3.3K	5%	1/4W	R344	1-249-425-11	CARBON	4.7K	5%	1/4W

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

MAIN

Ref. No.	Part No.	Description	Remark		
△R347	1-219-149-11	FUSIBLE	1	5%	1/4W F
△R348	1-219-149-11	FUSIBLE	1	5%	1/4W F
R349	1-249-429-11	CARBON	10K	5%	1/4W
R350	1-249-437-11	CARBON	47K	5%	1/4W
R351	1-249-437-11	CARBON	47K	5%	1/4W
R354	1-249-419-11	CARBON	1.5K	5%	1/4W
R355	1-249-419-11	CARBON	1.5K	5%	1/4W

< VARIABLE RESISTOR >

RV1 1-241-765-11 RES, ADJ, CARBON 22K

< SWITCH >

S1 1-692-252-11 SWITCH, LEVER SLIDE (BAND)
 S301 1-571-307-11 SWITCH, SLIDE (ISS)
 S302 1-572-623-11 SWITCH, SLIDE (FM MODE) (AEP, IT)

< TRANSFORMER >

T1 1-406-040-00 COIL (OSC)
 T301 1-433-372-11 TRANSFORMER, BIAS OSCILLATION

< TEMPERATURE FUSE >

TF301 1-532-604-21 FUSE, TEMPERATURE

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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